Volume 163 No. 5

Oil, Paint and Drug Reporter

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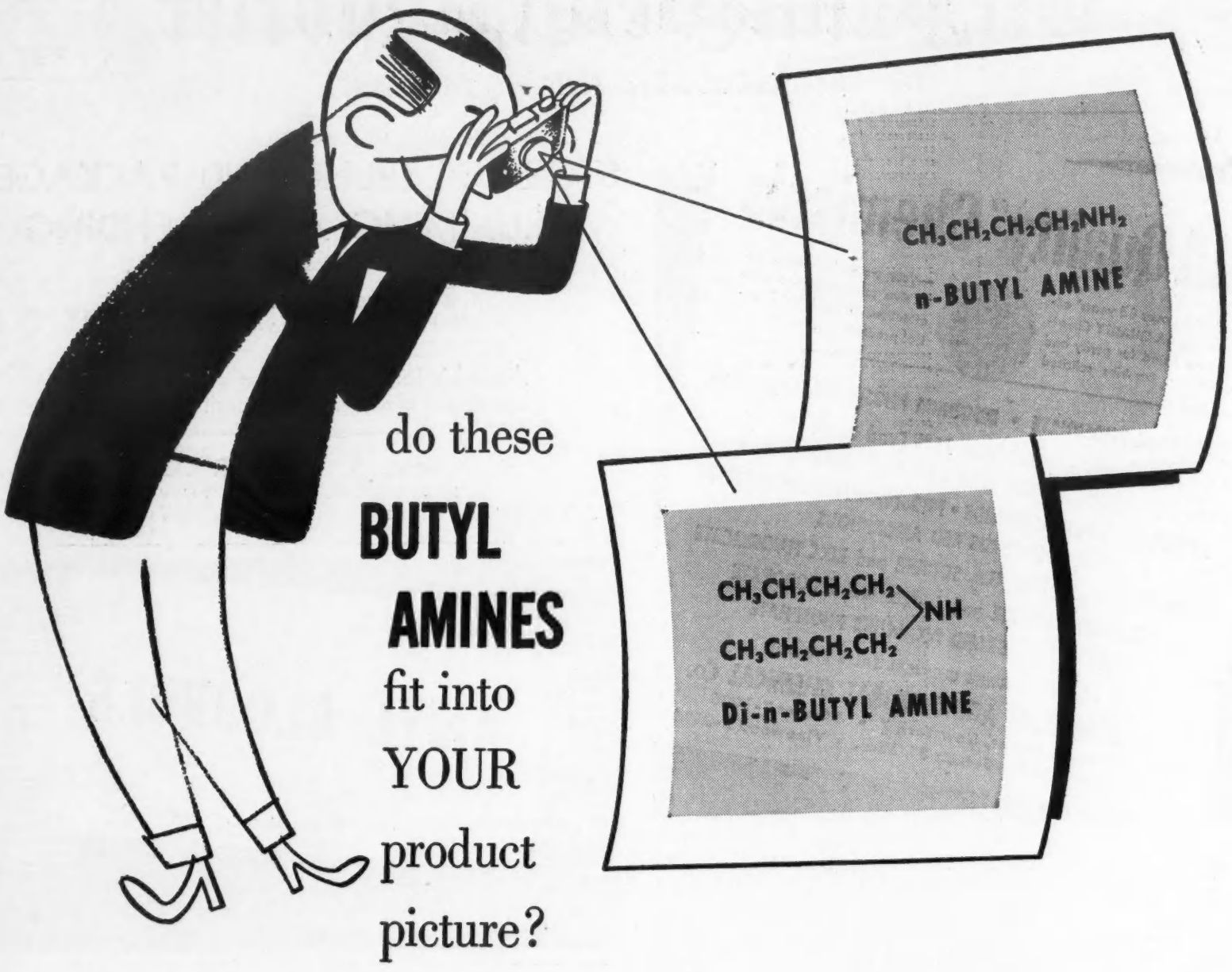

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Oil, Paint and Drug Reporter

Volume 163 No. 5 | 30 Church Street, New York 7, N. Y. | February 2, 1953

Steel Drum Producers Fix Prices, FTC Claims

The Federal Trade Commission last week charged the major steel drum producers with establishing "standards" in the production of steel drums for pricing purposes and with rigging prices in the sale of steel drums. Five companies, alleged to control at least 75 percent of the domestic steel drum business, were named in the complaint. They were:—

United States Steel Corporation and its subsidiary, United States Steel Company; Jones & Laughlin Steel Corporation and its subsidiary, Jones & Laughlin Steel Barrel Company; Inland Steel Company and its subsidiary, Inland Steel Container Company; Rheem Manufacturing Company, and Republic Steel Corporation.

Specific Charges Listed

The complaint specifically charges that the respondents, among other things, adopted and put into effect the following acts and practices, methods and policies in connection with the sale and distribution of steel drums:—

1. Agreed to adopt and maintain uniform "standards," or specifications, for pricing purposes.
2. Agreed to fix and maintain uniform "base prices" for "standard" steel drums.
3. Agreed to fix and maintain pricing factors for "extras" to be added to and "deductions" to be made from "base prices" with respect to variations of "standard" steel drums.
4. Agreed to fix and maintain price differentials for specified quantity purchases of steel drums.
5. Agreed to fix and maintain uniform terms and conditions of sale and delivery of steel drums.
6. Agreed to fix and maintain uniform

—Continued on page 31

House Monopoly Committee Told to End Probe Activities

The monopoly investigating committee of the house, which for the past four years has had several industries such as the aluminum producers and newsprint producers under almost constant study, was told last week to wind up its affairs and file a report by March 1.

The investigation committee, which was more prominently known as the Celler monopoly committee, was a subcommittee of the house judiciary committee, at that time headed by Rep. Emanuel Celler of New York. The decision to disband the committee and windup its affairs was made by the full committee, now under Republican control, at a meeting January 27.

Another subcommittee which has been investigating the Department of Justice, with particular attention directed towards its handling of tax cases, however, was authorized to continue its inquiry for another five months, and make its report by June 30. It has been intimated that the subcommittee may call Associate Justice Tom Clark of the Supreme Court of the United States before it for an explanation of the quashing or dropping of certain cases while he was Attorney General.

OPS Sets Ceiling in Texas For Triple Superphosphate

The Offce of Price Stabilization last week amended its bulk superphosphate regulation to establish a ceiling price for triple superphosphate in bulk from a manufacturing plant in Texas. This action, taken in amendment 3 to Ceiling Price Regulation 137, became effective January 31, and sets a ceiling price of $1.17 per unit of available phosphoric acid for sales of pulverized triple superphosphate from the new plant at Pasadena, Tex.

When CPR 137 was issued on April 22, 1952, there was no manufacture of triple superphosphate in the state of Texas. According to OPS, the Pasadena plant will purchase the phosphate rock needed in its superphosphate operations from Florida mines.

Copper Duty Hearing Feb. 3

The senate finance committee last week agreed to hold an open hearing February 3 on H. R. 568 by Rep. Reed, of New York, which would permit the free importation of copper until June 30, 1954.

Fertilizer Bids Invited For Shipment to India

The General Services Administration last week sent out invitations to the fertilizer industry for bids for supplying about 78,000 long tons of various types of fertilizer to be shipper to India under the Point Four program. The bids will be received by the agency at its Washington office up to 2 p.m. March 3.

The materials sought are:—1,000 tons of urea, 500 tons of nitrophosphate, 500 tons of ammonium phosphate, 500 tons of triple superphosphate, 500 tons of ammonium nitrate and 75,000 tons of ammonium sulphate.

Delivery of the ammonium sulphate is desired between June and October; shipment of the other materials are asked for November arrival. Suppliers are requested to submit their prices on a net long ton basis.

Oil Cartel Investigation Postponed 90 Days More

The proposed grand jury investigation of the alleged international oil cartel charged in a staff report of the Federal Trade Commission, was postponed for another ninety days by the United States District Court for the District of Columbia January 27 to give the new administration further time to decide what it wants to do about the inquiry.

The postponement was at the request of attorneys for the Department of Justice, which sought the investigation last October with the approval of then President Truman. Since that time the investigation has been delayed by legal steps taken by the companies to avoid the production of the many books and records called for in subpoenas of the Department. A week before the Truman Administration came to an end, the government offered to drop the grand jury investigation if the companies would agree to supply the information needed by the government to prosecute a civil action. The companies refused and Judge James R. Kirkland postponed the case until last week.

In asking for the ninety-day postponement, the department attorneys told Judge Kirkland that it was for the purpose of enabling Attorney General Herbert Brownell to become acquainted with the issues and decide whether the government should go on with the case.

Estrogenic Substances Market Seen Endangered by Imports

Testimony that estrogenic substances were being imported into the United States in such quantities as to effectively displace the market for pregnant mare's urine of domestic origin was heard January 27 by the United States Tariff Commission at a hearing called by the commission under the "escape clause" of the trade agreements act. Duties on these substances were cut to 5 percent several years ago under an agreement negotiated under the act. The urine itself is on the free list.

Robert E. Jones, testifying on behalf of the National P. M. U. Producers Association, which petitioned the commission for the hearing and investigation of imports, said that there were seventy or eighty members in the association, and that about 80 percent of their income came from sales of pregnant mare's urine. The large imports of estrogenic substances that occurred in 1948 created such a stockpile in this country that producers have had difficulty in selling the urine, he said. He was unable to make any sales in 1949, he added.

His estimate that sales of the producers probably amount to about $10,000,000 a year and that there were probably 1,000 suppliers of the raw material in this country, was sharply questioned by members of the commission who indicated that they were unable to find any data to substantiate these figures. Figures cited by the commission were that in 1946 sales amounted to about $2,225,000 and production about 1,621,000 gallons.

GR-S Rubber Plant Unit Reopened at Institute, W. Va.

Administrator Harry A. McDonald has ordered the reactivation of an additional copolymer line at the Reconstruction Finance Corporation's synthetic rubber plant at Institute, W. Va., in order to meet increased requirements of the nation's rubber industry.

Reopening of the Institute unit will make possible production of an additional 3,500 long tons of GR-S "hot rubber" each month. Engineers estimate that the unit can be in operation within thirty days.

Two recently reactivated alcohol units at the RFC plant at Kobuta, Pa., already are producing butadiene, and two others at Louisville, Ky., are scheduled to resume operations within the next few weeks. The Institute plant is operated for the RFC by the B. F. Goodrich Chemical Company, a division of the B. F. Goodrich Company.

Delaney Offers 2 Bills Tied to Probe Findings

Two bills growing out of the two-year investigation of the Delaney committee, which propose to apply the principles of the new drug section of the federal food, drugs and cosmetic act to the use of chemicals in foods and cosmetics, were introduced in the house January 29 by Rep. John J. Delaney, of New York. Details of the bills were not immediately available. However, Mr. Delaney gave a brief outline of their purposes, which was as follows:—

"The bill on chemical additives to foods corrects weaknesses found in existing law. The number of chemicals entering the food supply of the nation has increased tremendously in the last decade. Many scientists expressed the fear to the committee that many of these chemicals have not been tested sufficiently to establish their harmlessness when consumed over long periods of time.

Only 428 Safe Food Chemicals

"The Food and Drug Administration and the Public Health Service reported that of 704 chemicals employed in food use today only 428 are definitely known to be safe. Under existing law, however, the government has the burden of proving in a court of law that a chemical employed in a food may be harmful. The Delaney bill requires that proof of safety of a chemical proposed for use in food be obtained before rather than after it is marketed.

"The cosmetic bill is also designed to correct certain weaknesses in the present law. As in the case of foods, a cosmetic can be removed from the market only after the government has assembled data which will establish that the cosmetic may cause injury to users. While such evidence is being obtained, injuries may occur. The committee's report found that there has been a considerable number of injuries from many types of cosmetics. During 1951, for example, hair shampoos were marketed which, when inadvertently introduced into the eye, caused serious eye injury.

Bill Requires Proof of Safety

"The Delaney bill requires a cosmetic manufacturer to submit to the Food and Drug Administration evidence of the proof of the safety of his products before they are permitted distribution. The bill will require cosmetic ingredients to be specified on cosmetic labels, as recommended by many dermatologists and allergists, and will afford greater protection where dangerous coaltar dyes are employed in cosmetics."

Copper Chemical Producers' Ceilings Revised Upwards

Copper chemical producers who use primary copper in manufacturing their chemicals have been authorized by the Office of Price Stabilization to adjust their ceiling prices under CPR 22 to reflect the increased cost of foreign copper. The adjustment amounts to 3.84 cents per pound of primary copper contained in the chemical.

The relief was granted to the producers in amendment 11 to SR 7 to CPR 22 and becomes effective tomorrow. Copper chemicals covered by the amendment are those containing 10 percent or more of copper by weight.

OPS explained that the price of Chilean copper rose to 36½ cents per pound last May after Chile abrogated its contract with the United States. As a result of this increase in price from 24½ cents the Director of Defense Mobilization authorized an increase in ceilings of brass mill and wire mill products to reflect 80 percent of the increased cost of copper.

In accordance with that action, OPS increased the ceiling prices on the basis of 3.84 cents per pound of copper contained, by amending CPR 68 and CPR 110. Also, producers of products in which primary copper is used were permitted to increase their ceiling prices, established under the GCPR, by the same amount under SR 125 to the GCPR.

OPS officials estimated that the increase granted in copper chemical ceilings will have little effect on the level of the prevailing prices of these products because of the relatively small amount of primary copper used in their manufacture.

FDA Inspection Powers Bolstered In New Senate Bill by Humphrey

A bill to plug the loophole in the federal food, drug and cosmetic act and restore enforceability to the factory inspection program of the Food and Drug Administration was before the senate committee on labor and public welfare for study last week, following its introduction January 23 by Sen. Hubert Humphrey, of Minnesota.

The bill (S. 601) is a simple change in the wording of the factory inspection provisions of the law to replace the ambiguous wording upon which the Supreme Court of the United States held, in the Cardiff case, the factory inspection section to be invalid because it failed to give fair warning to a factory manager that if he did not give consent to an agent of the FDA to inspect his factory, he would be liable to criminal action.

The change proposed by Sen. Humphrey would require the FDA inspectors to give written notice when they plan to enter the premises. The penalties for refusal would remain unchanged, but the revision would make it clear that the right to inspect is not contingent on obtaining permission of the person in charge. Several of the trade associations directly involved have expressed themselves in favor of this type of change in the law.

Administration Approves Bill

The bill has the approval of the new administration. Although a democrat, Sen. Humphrey sponsored it in the senate because of his keen interest in FDA affairs. He explained to the senate that the bill is of extreme importance today because of the variety of new drug products coming on the market.

"I have talked this matter over very carefully with the Food and Drug Administration," Sen. Humphrey said, "and I can assure senators that unless something is done to plug in a proper way the loophole which was found in this law by the supreme court . . . the country can be literally flooded with pharmaceutical preparations and many synthetic food products which will seriously jeopardize the health of the American people."

There has been no announcement from the senate committee on what disposition will be made of the bill. The ordinary procedure is for the bill to be referred to the various government departments and agencies for a report and then to set public hearings for the taking of testimony from the government witnesses and industry. There was no immediate information as to when this would take place.

Other Bills Introduced

A number of other bills have been introduced in the senate and house within the past week or ten days on other important subjects as follows:—

Alcohol—S. 633 by Sen. Estes Kefauver, of Tennessee, and others to establish a

—Continued on page 74

Copper Sulphate Quota For Export Announced

The first quarter 1953 export quota for copper sulphate produced from domestic copper has been set at 25,000,000 pounds, and the combined quota for sulphur formulations and agricultural sulphur at 41,000,000 pounds, the Office of International Trade announced January 29.

Traditionally, exports of copper sulphate from the United States have been principally to Latin American countries, and since controls were established for this commodity in December, 1951, licensing has been largely to those countries. In view of the recent improvement in the world supply, OIT will consider first quarter applications for limited shipments to other areas in order to give American exporters an opportunity to broaden their market for this product, officials said. While there is no formal period for filing export license applications, OIT said that licensing will begin during the first half of February.

The first quarter quota of copper sulphate, at 25,000,000 pounds, is the same as the preceding quarter. Copper sulphate is classified under schedule B No. 820100 (copper sulphate or blue vitriol) and No. 839900 (copper sulphate including basic and tri-basic copper sulphate).

The first quarter quota of 41,000,000 pounds (sulphur content) for sulphur formulations containing 20 percent or more sulphur (schedule B No. 820583) and agricultural sulphur not elsewhere classified (No. 820589) compares with the 24,445,000 pounds set as the fourth quarter quota and reflects a substantial improvement in supply, OIT said. In a revision of the fourth quarter quota announced in December, OIT said it was eliminating the distinction between conditioned sulphur (now classified under agricultural sulphur) and sulphur formulations for licensing purposes.

Hog Bristles of Japanese Origin May Now Enter US

The Office of Price Stabilization last January 29 that arrangements have been completed which will again permit the importation of China type hog bristles into the United States upon certification that the bristles are of Japanese and not Red Chinese origin. Imports of China bristles have been barred since early in the Korean war in order to prevent foreign exchange from falling into the hands of the communists.

The department said that an agreement has been reached with the government of Japan under which the Japanese authorities will issue certificates of origin covering the goods of Chinese type produced in Japan which are to be shipped to the United States. Japanese officials are prepared to begin issuance of the certificates with respect to hog bristles immediately, it was added, and hope to extend the certification program to other products at an early date.

Persons who desire to import hog bristles from Japan, or any other commodity to which the Japanese certification procedure becomes applicable in the future, may file applications for this purpose on form TFAC-1 with the Federal Reserve Bank of New York setting forth the product to be imported, the purchase price, and the names and addresses of all persons who it is contemplated, will be involved as sellers, shippers, agents, or intermediaries of any sort.

Olive Oil Expansion Plan Being Drawn Up in Italy

The Office of Foreign Agricultural Relations said last week that it has been reported from Naples that a program to expand Italian olive oil production is being prepared for submission to the Italian Minister of Agriculture which is aimed at making Italy self-sufficient in its vegetable oil needs in the next twenty-five or thirty years.

The plan was first prepared and presented to the Ministry of Agriculture in 1949, but insufficient funds prevented its execution. In view of the government's program of increasing agricultural production, the plan has been revived by the National Society of Olive Growers and is being brought up to date.

Basically, the plan is to plant some 41,000,000 olive trees at the rate of about 4,000,000 trees a year over the next ten years in southern Italy and the islands where cultivation of olive trees seems to give satisfactory results. The first trees planted would begin to produce in about fifteen years and reach maximum production in twenty-five to thirty years.

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Vinyl Plastic Film Standard In Circulation for Approval

A recommended commercial standard for general purpose vinyl plastic film is being circulated to the industry and the public for written acceptance, the Commodity Standards Division of the Department of Commerce has announced. The standard is based on a proposal by the Society of the Plastics Industry and was modified to meet the desires of the majority at an industry conference on November 18, 1952.

The recommended standard covers methods of test and requirements of general purpose plain or embossed vinyl plastic film to insure satisfactory products for consumer use. The requirements and methods of test specify thickness tolerances, yield per roll, width tolerances, shrinkage at elevated temperatures, contamination, appearance, cracking, tensile properties, tear resistance, volatility of plasticizer, water extraction, low temperature impact and flammability.

Mimeographed copies of the standard, which is identified as TC-5165, may be obtained as long as the supply lasts by writing to F. W. Reynolds, Commodity Standards Division, Department of Commerce, Washington 25, D. C.

Desoxycholic Acid Output Upped by Gane & Ingram

Gane & Ingram, Inc., New York, has announced the completion of its second plant expansion for the production of desoxycholic acid, the major starting material employed today in the manufacture of cortisone. For many years, Gane & Ingram and its associated company, A. Maschmeijer, Jr., Inc., pioneered in the conversion of ox bile to cholic, dehydrocholic and desoxycholic acids.

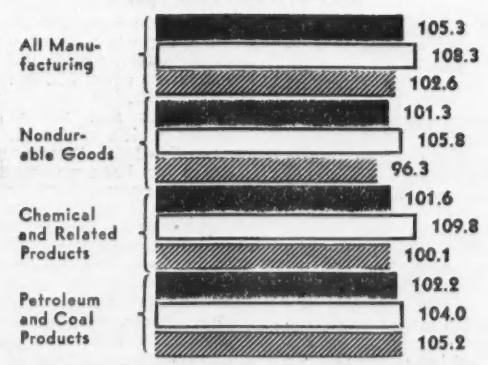
The introduction of cortisone in 1949, however, placed heavy demands on manufacturing facilities that previously had proven to be adequate. Gane & Ingram also reports that research on other potential precursors for the manufacture of steroid hormones, such as diosgenin, ergosterol and similar products, is being continued on an intensive scale.

Goodrich Chemical Ups 3

M. W. Osborne, jr., has been named international sales manager, George B. Koch has been appointed advertising manager, and J. S. Wolff has been named agricultural chemical staff representative in a series of promotional moves at the B. F. Goodrich Chemical Company, Cleveland, Ohio.

Business in October, 1952

100=Same Month in 1951



Oil, Paint and Drug Reporter, Vol. 163, No. 5, February 2, 1953. Published every Monday by Schnell Publishing Company, Inc., 30 Church Street, New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1953, by Schnell Publishing Company, Inc.

Price Index Sinks Again

The overall OPD price index declined 0.44 point last week reflecting the continued weakness in the majority of markets. The essential oils market registered the biggest individual index decline, with reductions in French neroli, Florida mandarin, cardamom, dillweed and Dalmatian sage oils. Among items advanced in this market were garlic, patchouli and pimento berry oils. The oils, fats and waxes market featured a preponderance of price reductions, although there were advances recorded in coconut, oleo and palm kernel oils. Reductions in this market included copra, lard, linseed meal, tallow, soybean meal, and carnauba and ouricury waxes. Among the oils, corn, grease, peanut, tallow and tung were reduced.

The coal chemicals and heavy chemicals markets were next in the order of the amount of index decline. Isonicotinic acid and 29° orthocresol were reduced in the former market, while price changes in the latter included an advance in aluminum metal and declines in aqua ammonia, quicksilver and zinc metal.

The weight of price changes in the botanical market was on the downward side with reductions including African, No. 3 Jamaica and split Nigerian ginger root, bleached bold and medium cardamom, Indian celery, Danish and German yellow mustard, Turkish poppy seeds, Zanzibar clove, Dalmatian sage and Spanish thyme. Price changes in the agricultural chemicals market were all downward, dried blood and lindane dropping.

Elsewhere throughout the market there were scattered price changes. The protective coatings materials market featured an advance in Argentine casein and declines in red, vermilion, quicksilver and zinc dust. Sago flour was advanced in the textile and leather chemicals section, while reductions included potato starch and sulphated tallow. Brucine alkaloid and sulphate were reduced in the drugs and fine chemicals market. The petroleum derivatives section was without change.

Except for thirty-three changes in botanicals listed on page 59, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Aluminum metal, ½c. per lb. (34).
Casein, Argentine, ¾c. per lb. (64).
Oil, coconut, crude, ¼c. per lb. (68).
Garlic, $1.75 per oz. (61).
Lemongrass, 10c. per lb. (61).
Neatsfoot, 1c. per lb. (68).
Oleo, ¼c. per lb. (68).
Palm kernel, ½c. per lb. (68).
Patchouli, 50c. per lb. (61).
Pimento berry, 15c. per lb. (61).
Rosemary, Spanish, tech., 3c. per lb. (61).
Sago flour, raw, ¼c. per lb. (47).

Prices Reduced

Acid, isonicotinic acid, $2 per lb. (44).
Ammonia, aqua, tankcars, $4 per ton (40).
Anethol, NF, 20c. per lb. (61).
Blood, dried, New York, ¼c. per unit of ammonia (40).
Brucine alkaloid, 5c. per oz. (49).
Sulphate, 5c. per oz.
Copra, $5 per ton (68).
Greases, ½c. to ½c. per lb. (68).
Lard, ¼c. per lb. (68).
Lindane, 99⅘%, $1.25 per lb. (40).
25% formulation, 50c. per lb.
Linseed meal, $3 per ton (68).
Oil, cardamom, $8 per lb. (61).
Cinnamon leaf, 40c. per lb. (61).
Corn, crude, ¼c. per lb. (68).
ref., ¼c. per lb.
Dillweed, 50c. per lb. (61).
Grease, ¼c. per lb. (61).
Lignaloe wood, Mexican, 35c. per lb. (61).
Mandarin, Florida, $2 per lb. (61).
Neroli, French, $26 per lb. (61).
Ocotea cymbarum, 2c. per lb. (61).
Peanut, ref., ½c. per lb. (68).
Sage, Dalmatian, 25c. per lb. (61).
Soybean, crude, ¼c. per lb. (68).
ref., ½c. per lb.
Tallow, ¼c. per lb. (68).
Tung, ¼c. per lb. (68).
Oleo stearine, ½c. per lb. (68).
Orthocresol, 29°, 2½c. per lb. (44).
Potato starch, imp., ¼c. per lb. (47).
Quicksilver, $3 per flask (34).
Red, vermilion, quicksilver, 4c. per lb. (64).
Soybean meal, $2 per ton (68).
Tallow, ¼c. to ½c. per lb. (68).
sulph., ¾c. per lb. (47).
Wax, carnauba, No. 3, crude, 2c. per lb. (68).
ref., 2c. per lb.
No. 1, yellow, 2c. per lb.
Ouricury, ref., 1c. per lb. (68).
Zinc dust, ½c. per lb. (64).
Metal, ½c. per lb. (34).

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

January 30, 1953	January 23, 1953	February 1, 1952
108.18	108.62*	113.49

*Revised.

Sulphur Purchase Grant Of $1,180,000 Goes to UK

The Mutual Security Agency last week announced the granting of an authorization of $1,180,000 to the United Kingdom for the purchase of crude sulphur in the United States. The agency said the contracting period extends until May 31, and the last date upon which delivery can be made is January 31, 1954.

Drug Law Conference Plans Are Formulated

The Food, Drug and Cosmetic Law section of the New York State Bar Association has announced the program for its meeting to be held in the Bar Association House, New York, February 20.

The session will be opened by Charles W. Dunn, section chairman. Charles W. Crawford, commissioner of food and drugs of the Federal Security Agency, and William W. Goodrich, assistant general counsel of the FSA, will present reports on the federal food, drug and cosmetic act. Mr. Crawford will speak on "Legislative and Administrative Progress in 1952," while Mr. Goodrich's topic will be "Enforcement and Judicial Progress in 1952." A report on the Delaney committee to investigate the use of chemicals in foods and cosmetics will be presented by Vincent A. Kleinfeld, of the Department of Justice and a counsel for the committee. A report by the section's committee on food standards will be given by H. Thomas Austern, chairman, following which there will be a discussion of the report, led by Michael F. Markel.

At the afternoon session, the following papers will be presented:—"Some Observations on the Cosmetic Law of the Federal Food, Drug and Cosmetic Act," by Stephen L. Mayham, executive vice-president of the Toilet Goods Association; "Uniform State Food, Drug and Cosmetic Laws," by Carl R. Miller, counsel for the A. E. Staley Manufacturing Company; "The Drug Evaluation Program of the Council on Pharmacy and Chemistry of the American Medical Association," by Dr. Robert T. Stormont, secretary of the council; "An International Pharmacopeia," by Dr. Lloyd C. Miller, director of revision of the U. S. Pharmacopoeia, and "1952 Progress in Products Liability Law," by Bradshaw Mintner, general counsel for Pillsbury Mills, Inc.

Titanium Sponge Facilities Expansion Set by duPont

Expansion of the titanium sponge producing facilities of E. I. du Pont de Nemours & Co., Wilmington, Del., is now under way at its Newport, Del., plant and is scheduled to begin shortly at its Edge Moor, Del., plant, the company has reported.

This expansion, undertaken at the request of the government, will yield an estimated 13,500 additional tons of titanium sponge during the next five years, it was said.

Hardesty of Canada Has Hydrogenated Castor Oil

W. C. Hardesty Company of Canada, Ltd., has announced that it is now producing hydrogenated castor oil. The company, which is reported to be the first in the dominion to produce this product, is marketing the material under the trade name of "Harwax G." Described as a hard waxy solid with the unusually high melting point of 180 degrees Fahrenheit, "Harwax G" is said to be soluble in most organic solvents but highly insoluble in water.

P.A.'s-Eye View of Business

Composite view, February 1, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

The general feeling of increased confidence reported by purchasing executives since the election, has been translated into something more concrete than hopeful optimism in their reports for January. Nothing of boom proportions is anticipated, or even boomlet, but a steady movement is foreseen, with sustained good business, at least for the near term of three to four months. New orders are up, but backlogs are being eaten into by increased production. Prices are reported by the majority as stable, showing a tendency to decline as selling intensity is stepped up and competition increases, the normal give and take of supply and demand. A healthy condition is expected to result if and when controls are abandoned. Protective industrial inventories continue to decline with the ready availability of most materials. Employment increased, both in number and a longer work week. Skilled workers are short. Productivity is better. Labor unrest is easing. Buying policy is within a hand-to-mouth to ninety-day range, with predominance in the thirty-to-sixty-day bracket.

Industrialists, reviewing the yearend book balancing and profit and loss statements, are taking a sharp look at the profit position. There are numerous comments in the January survey reports concerning low profits and high break-even points, with the opinion expressed that much planned capital expenditure is for plant modernization to reduce costs, rather than for capacity expansion.

The consensus is that business is good, approaching a degree of normalcy; management is optimistic but conservative and cautious; for, many things can happen to change the picture.

Commodity Prices

The trend to lower prices is more pronounced in the January reports. Twice as many record lower quotations than higher. The majority, however, see no change. A number of OPS authorized increases are listed. Reports mention the fact that advances are restrained by sharper competition, indicating a stronger buyers' market. Commodities influenced by foreign markets show the greatest weakness.

Inventories

Industrial, purchased material inventories continue to decline at about the same rate as in the past three months. Some stocks are reported getting too low for comfortable operation. There are very few materials critically short. Supply is meeting demand in many scarce items and catching up on others. On the whole, delivery performance is better.

Employment

Pay rolls have increased this month, reversing the seasonal trend of late December. There are more reporting longer work weeks and additional shifts in January. Still an unsatisfied demand for skilled and white collar workers. Increased defense production is noted. Labor unrest is abating. Productivity is better.

Buying Policy

The future commitment range continues within ninety days. There has been a decided switch from the ninety-day column to sixty days, with some previous thirty-day buyers moving up to sixty. A trend to smaller orders placed more often is noted, as purchasing agents watch the declining price indices, intensive selling

—*Continued on page 75*

Davison Superphosphate Production Due in 1954

Early 1954 operation is expected of the $12,410,000 plant for production of triple superphosphate which Davison Chemical Corporation is constructing at Bartow, Fla., the company announced last week. It will have an annual capacity of 200,000 tons of the agricultural chemical and according to a recent survey by the Florida Development Commission is the largest among $35,000,000 in construction projects which the phosphate rock industry now has under way.

The plant will mark Davison's entry into triple superphosphate production and establish the company as a major producer of the chemical. Total capacity in the industry is estimated currently at 770,000 tons annually. By 1954 Davison's output added to other new and expanded operations will bring the industry's total estimated capacity to more than 1,000,000 tons annually. However, demand by the end of that year is expected to reach 1,600,000 tons, based on forecasts by the Department of Agriculture.

Production of sulphuric acid will also be started in Florida in connection with the triple superphosphate plant. The Dorr Company, Stamford, Conn., are architect-engineers and this will be the first triple superphosphate plant in the United States employing the patented Dorr process. Sulphuric acid is reacted with phosphate rock to produce phosphoric acid, which in turn is applied to additional phosphate rock for triple superphosphate production. The final product will be in both granulated and pulverized forms.

Smith-Douglass Seeking Merger With San Jacinto

Smith-Douglass Company, Norfolk, Va., and San Jacinto Chemical Corporation have signed an agreement looking into a merger, with Smith-Douglass the surviving corporation, it was announced last week. In a joint statement, Ralph B. Douglass, president of Smith-Douglass, and E. M. Fleischmann, president of San Jacinto, said that several matters remain to be explored before the deal is consummated.

F. Eberstadt & Co. is representing Smith-Douglass in the merger negotiations. San Jacinto is a manufacturer of anhydrous ammonia, and has a long-term lease on a government-owned plant near Houston, Tex.

Pfizer Chemical Sales Mgr.

Robert H. Briggs has been named manager of the chemical sales division of Chas. Pfizer & Co., Brooklyn, N. Y. Mr. Briggs, who has been with Pfizer since 1943, was named assistant manager of the division in 1951, which post he held until his recent appointment. Before joining Pfizer, he was associated with Allied Chemical & Dye Corporation, New York. Marshall N. de Noyelles, who has been national field sales manager of the chemical sales division, has assumed the position left vacant by Mr. Briggs' promotion.

Washington Talks It Over

By Ralph L. Cherry

Congressional activity will move along at a much faster pace after President Eisenhower delivers his message to a joint meeting of the senate and house today. Up until now, congress has devoted its time to organizing its committees, speechmaking, and approving the Eisenhower appointments. Now the signal is being given to crank up the legislative machinery and get rolling.

Some of the committees have drawn up the outlines of their legislative programs in advance of the President's message and already have announced plans for hearings on various subject matters, in anticipation that these will be matters to be dealt with by Mr. Eisenhower. Such is the case with the labor committee, the banking committee on inflation control, the senate public lands committee on oil, and the agricultural committee on farm prices.

The basis for hearings on labor questions has been established in the senate by majority leader Robert Taft of Ohio, who last week introduced a series of five bills containing sixteen amendments to the Taft-Hartley act. The house labor committee does not have any similar legislation before it as yet, but nevertheless has tentatively scheduled hearings for next month to go into the whole question of labor law revision. The committee's biggest problem, and the one that is the most difficult to solve satisfactorily, is how strikes that affect the national health, safety and welfare shall be dealt with.

A matter of grave concern to Republicans and Democrats alike, is the recent decline in farm prices. Prices received by farmers decline 9 percent on the average from August to mid-December and at that time averaged 12 percent below a year earlier. The things that farmers buy, on the other hand, have declined only 1 percent over the year, and, consequently, the cost-price squeeze being experienced by the farmers could have an important effect upon sales of fertilizers, insecticides and farm machinery this year. Cause of the farm price decline is the No. 1 item on the agenda of the senate agricultural committee for investigation.

Although millions of words already have been said over and over again on tidelands oil, the senate interior and insular affairs has scheduled hearings in two weeks to go into this question again. Disposition of these lands has now become largely a political question, and the committee hopes to move speedily to confirm State title to the lands and get the matter settled once and for all. Also by this action, the administration hopes to solidify its coalition with the southern Democrats, who can be

—*Continued on page 32*

Compressed Gas Ass'n Elects Thompson Pres.

R. J. Thompson, of the kinetic chemicals divison of E. I. duPont de Nemours & Co., Wilmington, Del., was elected president of the Compressed Gas Association at its fortieth annual meeting, held in the Waldorf-Astoria hotel, New York, last week.

R. C. Holbrook of the Liquid Carbonic Canadian Corporation, Ltd., was chosen first vice-president and J. J. Lincoln, jr., of the Air Reduction Sales Company, a division of the Air Reduction Company, Inc., was elected second vice-president. F. R. Fetherston was re-elected secretary-treasurer.

Harold Brayman, director of public relations for duPont, spoke on "Business and the Public" at a luncheon session. Mr. Brayman said, "Public misunderstanding of and hostility toward business have developed to such a degree that the problem of winning a favorable public opinion has become one of the most important facing American business today.

Americans Seen as Losers

"If it is not solved, business will be a heavy loser, but the biggest loser will be the great mass of Americans who, in accepting a state-dominated economy, will lose not only their precious American freedom, but also their much vaunted American standard of living," Mr. Brayman went on. "The tendency in that direction has been worldwide. We cannot hope to resist it in America unless American industry, the basis of our national strength and well being, succeeds in winning public understanding and support. That is the price of survival."

Mr. Brayman pointed out that no one company or program could do the job alone. He said the task called for "the correlated efforts of all of us" and suggested that the place each company could be most effective was with its employees, customers, suppliers, stockholders and the residents of plant towns.

Employers First in Importance

"Of all groups, the employees rank first in importance," Mr. Brayman said. "Employees are the most important witnesses, for or against us, to the community and nation. The testimony they give concerning us is regarded as expert testimony.

"It is a well-known saying that public relations begins at home; public relations consists quite as much in doing the right things as in saying the right things. No public relations program can take the place of sound policies," he stated.

Dr. E. G. Young, of duPont, read a paper at the technical session on "Fluorine Chemistry." He presented a chart showing the entire range from "Freon-14," boiling at minus 199 degrees Fahrenheit to "Teflon," tetrafluoroethylene resin. Dr. Young discussed "Freon-12" as to chemical process, plant design and the quality of the product. The liquid fluorocarbons were described briefly as to their merits and applications by Dr. Young, who also spoke on the solid representatives, "Teflon," "Kel-F," and "Fluoeothene."

W. R. Bohlman, of the Pressed Steel Tank Company, spoke on "The Determination of Maximum Energy of Compressed Liquefied Gases," pointing out that while the maximum energy from these gases is, in most instances, not available for useful or destructive work, under ideal conditions the maximum may be approached.

Dimethyl Isophthalate Output Reported by Hercules Powder

The first commercial production of dimethyl isophthalate, a new material for the chemical processing industries, has been announced by Hercules Powder Company, Wilmington, Del.

Plastics and protective coatings will probably be the most important applications for the new commercially available material, Hercules said. The first commercial production of "DMI," the trade designation under which dimethyl isophthalate will be sold, was achieved by Hercules in a special unit at its Burlington, N. J., plant. The product which Hercules is making is isophthalic acid in the form of its low-melting, easily processed methyl ester.

The present facility is a large-scale pilot plant, with an ultimate monthly capacity of 200,000 pounds. Plans call for interim operation of this plant to demonstrate the specific values and market potentials of "DMI," with a switch to larger-scale production as soon as the requisite market is established.

Plant Food Meeting Set

The American Plant Food Council will hold its annual meeting June 11 to 14 at the Homestead, Hot Springs, Va.

E PLURIBUS UNUM
Part of a battery of condensation kettles especially designed for the new plant by Ciba engineers.
Panorama of 35 acres of buildings, access roads, and effluent treatment facilities that comprise Ciba Toms River Vat Dyestuffs Plant.
NEW JERSEY

The fabric of AMERICA

Woven strong in face of repeated challenges to our nation's spiritual and material resources, the heritage of our institutions and national unity remains the rallying point for the hopes of the free peoples of the world.

Because the responsibility of such leadership must be met with more than words, technological advancement and expansion of production capacities of the nation's industries must continue unabated to serve the needs of domestic and world markets, and our national security.

To this end, Ciba's newest plant, the most modern of its kind for the production of vat colors of superior light-and-wash-fast qualities, will be dedicated. Soon to be in full-scale operation, "Ciba Toms River" will serve an important need, and take its place with other long-established Ciba enterprises serving both industry and public health in peace and war.

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PROGRESS REPORT #4 in a series to tell the story of Ciba's expanding facilities for service.

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Association Meetings

American Association of Textile Technologists, annual symposium, Statler hotel, New York, February 3.

American Coke and Coal Chemicals Institute, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., October 12-13.

American Drug Manufacturers Association, annual meeting, Boca Raton Club, Boca Raton, Fla., April 13-16.

American Institute of Chemists, annual meeting, Philadelphia, May 12-13.

American Institute of Mining and Metallurgical Engineers, Los Angeles, February 16-19.

American Oil Chemists' Association, annual meeting, Roosevelt hotel, New Orleans, La., May 4-6.

American Pharmaceutical Association, Salt Lake City, Utah, August 16-22.

American Pharmaceutical Manufacturers Association, eastern section meetings, Roosevelt hotel, New York, February 2-4; central section meetings, Edgewater Beach hotel, Chicago, February 9-11; western section meetings, Town House, Los Angeles, February 16-17; annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., March 30-April 1.

American Plant Food Council, annual meeting, The Homestead, Hot Springs, Va., June 11-14.

American Society of Hospital Pharmacists, annual meeting, Salt Lake City, Utah, August 16-22.

American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 29-July 3.

American Water Works Association, annual meeting, Grand Rapids, Mich., May 10-15.

Association of Consulting Chemists and Chemical Engineers, symposium, Belmont Plaza hotel, New York, April 21; annual meeting, Belmont Plaza hotel, New York, October 27.

Chemical Market Research Association, Lord Baltimore hotel, Baltimore, Md., February 26.

Chemical Specialties Manufacturers Association, midyear meeting, Drake hotel, Chicago, May 17-19.

Commercial Chemical Development Association, annual meeting, Statler hotel, New York, March 23-24.

Consumers Cooperative Association, fertilizer industry safety conference, Atlanta Biltmore hotel, Atlanta, Ga., March 2-3.

Drug, Chemical and Allied Trades section of the New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 5.

Eastern Pest Control Operators Conference, University of Massachusetts, Amherst, Mass., February 5-7.

Electrochemical Society, spring meeting, Statler hotel, New York, April 12-16.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 20-23.

Food, Drug and Cosmetic Law section of the New York State Bar Association, Bar Association House, New York, February 20.

International Magnesium Exposition, Washington National Guard Armory, Washington, D. C., March 31-April 2.

Manufacturing Chemists Association, air pollution abatement conference, Statler hotel, Detroit, February 26-27; joint meeting with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

Metal Powder Association, annual meeting, show, Cleveland hotel, Cleveland, Ohio, April 20-22.

National Agricultural Chemicals Association, spring meeting, Jung hotel, New Orleans, La., March 11-13.

National Association of Corrosion Engineers, Sherman hotel, Chicago, March 16-20.

National Association of Retail Druggists, annual meeting, Chicago, October 11-15.

National Cottonseed Products Association, Ambassador hotel, Los Angeles, May 8-12.

National Farm Chemurgic Council, annual conference, exhibit, Statler hotel, St. Louis, March 9-11.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 15-17.

National Foreign Trade Council, annual meeting, Waldorf-Astoria hotel, New York, November 16-18

National Sanitary Supply association, annual meeting and merchandise exposition, Conrad Hilton hotel, Chicago, March 22-25.

Packaging Institute, annual forum, Statler hotel, New York, October 12-14.

Packaging Machinery Manufacturers Institute, semi-annual meeting, Sheraton hotel, Chicago, April 18-19.

Philadelphia Drug Exchange, annual dinner, Warwick hotel, Philadelphia, February 5.

Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn hotel, Pittsburgh, March 2-6.

Society of Industrial Packaging and Materials Handling Engineers, exposition, technical short course and competition, Mechanics Hall, Boston, October 18-24.

Society of the Plastics Industries of Canada, annual conference, Gen. Brock hotel, Niagara Falls, March 10-11.

Society of the Plastics Industry, reinforced plastics division conference, Shoreham hotel, Washington, D. C., February 18-20, annual meeting and conference, cruise to Bermuda, May 9-15.

Southern Paint and Varnish Production Club, annual meeting, Buena Vista hotel, Biloxi, Miss., March 18-21.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, February 11; joint meeting with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

Technical Association of the Pulp and Paper Industry, New York, February 16-19.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 12-14.

Soap Ass'n Told Key Raw Materials Will Be in Good Supply During '53

Soap makers were given assurances last week that ample supplies of key raw materials will be readily available throughout 1953. This favorable raw materials outlook emerged from a panel session which highlighted the twenty-sixth annual convention of the Association of American Soap and Glycerine Producers, held January 27 to 29 at the Waldorf-Astoria hotel, New York.

John B. Gordon, of the Bureau of Raw Materials, estimated that total output of

George A. Wrisley
Reelected President

oils and fats from domestic materials in the crop year which began on October 1 will be about 12,100,000,000 pounds, including the oil equivalent of oilseeds reported for crushing. While slightly under the two preceding crop years, this production, he pointed out, is still the third largest of record.

"Production of soap making fats and oils should be practically the same in the current crop year as that of 1951, possibly a few million pounds less," he went on. Cattle slaughter, together with inedible tallow output, are expected to be higher. He noted that the Department of Agriculture has predicted that inedible tallow and grease production in the year beginning October 1 will be 2,266,000,000 pounds, as against 2,275,000,000 pounds in the 1951 crop year.

"Coconut oil and copra exports from the Philippines and Indonesia, the two chief world producers and exporters, is expected to be 10 percent less than the 847,000,000 metric tons (oil equivalent) exported in 1951-52," Mr. Gordon declared. He stressed that while this cut in exports is due in some degree to typhoon damage in the Philippines, the basic reason is that "copra prices sank too rapidly in relation to other tropical agricultural products such as rice in 1952." Thus, there was less incentive for copra producers to harvest their coconut crops and they, therefore, turned to other crops which produced a greater cash return. "Palm kernel oil," he noted in closing, "has been acting as a brake on coconut oil prices in the United States and will continue to do so."

Petroleum Alkylate Outlook

Petroleum alkylate will be in plentiful supply during 1953 even with the continuation of the great strides made by synthetic detergents during the past several years, T. G. Hughes, of Oronite Chemical Company, San Francisco, reported. "It is estimated," he said, "that existing expanded United States plants have a production capacity of over 400,000,000 pounds of alkylate per year. Completion of projects during 1953 may increase that capacity to as much as 500,000,000 pounds by the end of year. This is sufficient to produce over 2,500,000,000 pounds of compounded synthetic detergent."

Turning to the two main raw materials for petroleum detergent alkylates—benzene and polypropylene—Mr. Hughes pointed out that under an expansion program authorized by the Defense Production Administration in 1951, about 150,000,000 gallons of benzene will be produced annually by the petroleum industry by next year. Catalytic reforming units accounted for 50,000,000 gallons last year and are expected to turn out 100,000,000 gallons in 1953. "With indicated production of about 200,000,000 gallons from cokeovens and tar distillers," he said, "the total supply of benzene in 1953 will approach 300,000,000 gallons exclusive of imports." He estimated that approximately 19,000,000 gallons, or less than 7 percent of total output, will be needed for detergent alkylate in 1953.

However, Mr. Hughes cautioned, production of petroleum benzol, along with polypropylene, is "strongly related to economic factors." He said that in the case of benzene, both feed stocks and facilities are in competition with alternate uses of relatively high value. As for polypropylene, he pointed out that its use in detergent polymer competes with its potential use in petroleum products. Nevertheless, he felt sure that in both cases values for chemical utilization will assure the synthetic detergent industry adequate supplies to meet predicted needs.

Lester B. Gordon, of Solvay Process Division, Allied Chemical & Dye Corporation, New York, reported that alkalies production capacity "has been built up to a tonnage that supplies the present demand from American industry without strain. Additional production capacity still being built, and scheduled for completion at various times during the year," he continued, "will provide alkalies not only for any industrial expansion now in sight for 1953 but will provide also a reasonable reserve capacity to cushion any emergency that may arise."

Alkalies Price Rises Possible

As for prices, he noted that current quotations on soda ash and caustic soda have been in effect since October, 1950, and on liquid caustic potash since July, 1950. "There is grave question," Mr. Gordon stated, "how long these selling prices can be maintained in view of the continuing rising trend in production costs. It is quite possible that some prices may, of necessity, be higher before the end of the year."

Edward Block, of Blockson Chemical Company, Joliet, Ill., said that while the detergent phosphates, particularly as shown by sodium tripolyphosphate, have increased tremendously in tonnage since 1947, there need be no worry about the future because, basically, the raw materials for this production are not limited. He also emphasized that these phosphates can be tied to any national emergency program because they dovetail with the needs of the armed forces and the Atomic Energy Commission. Increased consumption of phosphates, he concluded, should be no major problem.

No Sulphuric Acid Problem

"There is no sulphuric acid supply problem today, except perhaps in two isolated areas, and this condition will soon be corrected by reason of additional manufacturing facilities now being built," Mark Biddison, of Allied's General Chemical Division, New York, declared.

However, he pointed out that producers have had to explore all possible avenues to obtain sulphur for acid operations, and noted that such sulphur is now being obtained from sulphide ores, from recovered spent acid, from smelter gas and from petroleum sources, among others. General Chemical, he added, employs some thirty-two sources of sulphur for its acid output. The fact that no alternate source of sulphur has yet proved as economical as brimstone, he stated, has accounted for steadily rising operating costs, which in turn have forced prices higher.

As to the price picture, Mr. Biddison saw it this way:— "If new native brimstone discoveries keep pace with increased domestic and foreign demand and brimstone prices remain constant, we may expect reasonable stability of acid prices. However, if brimstone prices rise or new discoveries of native brimstone do not keep pace with demands, sulphuric prices will have to advance because of the heavy capital investments and higher operating costs for ore burning and other installations using alternate raw materials."

Essential Oils Price Picture

Discussing the outlook for essential oils, A. van Ameringen, of van Ameringen-Haebler, Inc., New York, declared that the present low price of citronella oil "is no longer a profitable one from the producers standpoint, and can be expected to go up." The current lemongrass oil quotation, he described as a "break even" point for the producers, and, therefore, he looked for a rise.

"Spanish rosemary and spike today are at such a low price that many producers will hesitate to distill in the year 1953, and therefore those oils may show firmer prices," he continued. "Patchouli oil from a high of $26 in 1951 is now $7.50 per pound, and an increase there should not be unexpected. Bois re rose oil, the price of which is more or less controlled by the Brazilian government, nevertheless reached a low of $3.50 in 1952 caused by a lower dollar price due to currency manipulations and barter deals, and may well show a firmer trend in the future. On the

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NACA Shapes Agenda For Louisiana Meeting

The National Agricultural Chemicals Association has announced the program for its spring meeting, which will be held March 11 through 13 at the Jung hotel, New Orleans, La.

The meeting will open on the morning of March 11 with Paul Mayfield, vice-president, presiding. Arthur W. Mohr will give the president's address, which will be followed by the secretary's report, to be given by Lea S. Hitchner.

The following addresses have been scheduled for the morning session:—"Some Important Economic Pest Problems," by Avery S. Hoyt, chief of the Department of Agriculture's bureau of entomology and plant quarantine; "Minor Elements and Nutritional Sprays," by Dr. A. F. Camp, vice-director in charge of the Florida Experiment Station; "Transportation $$$$ and Sense," by E. C. McClintic, vice-president in charge of traffic for the Pure Carbonic Company; "Recent Advances in Weed Control," by Dr. Warren C. Shaw, Department of Agriculture's Division of Weed Investigations, and an address by Sen. Allen J. Ellender, of Louisiana.

A reception will be held during the evening of March 11, and the next day will be devoted to committee meetings, a board of directors' meeting and a golf tournament.

The closing day's session will open in the morning with a report on pending legislation by Joseph A. Noone, technical advisor of the association. The following papers will then be presented:—"Systemic Insecticides," by Dr. H. G. Johnston, head of the research and development unit of the National Cotton Council; "NAC and the Formulator," by James T. Conner, jr., entomologist with the Taylor Chemical Company; "Forest and Lumber Pests," by a speaker as yet unannounced; an address by Dr. Eugene Butler, editor of the Texas edition of the *Progressive Farmer;* "Foreign Pesticide Developments," by Dr. Charles E. Palm, head of the department of entomology at Cornell University, and "Liability and Safe Use," by John D. Conner, counsel for the association.

Chemical Corps to Supply Most of Its Chlorine Needs

Brig. Gen. Henry M. Black, commanding general of the Chemicals Corps Materiel Command, told the Chlorine Institute meeting at the Biltmore hotel, New York, January 28, that present plans of the Chemical Corps are to supply most of its chlorine needs from the production of the Corps' own plants, but private industry would be called on later for about 41,000 tons annually under the mobilization program.

He said that the Corps new chlorine plant at Muscle Shoals, which has been in standby since June 1952 when it completed its first test operations, will continue in standby until June of this year and then be put into operation at about one-half its capacity. The relatively small tonnage of chlorine which the Corps will require in the interim will be procured from the industrial market, he added.

"The outlook for the Chemical Corps' current procurement program for calendar year 1953 will include a requirement for approximately 16,000 tons of chlorine, the major portion of which we will pro-

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Philadelphia Drug Exchange Elects Collins '53 President

The Philadelphia Drug Exchange, at its annual meeting January 27 at the Downtown Club, Philadelphia, elected A. B. Collins president for the 1953 term. Elected with Mr. Collins were the following:—Vice-president, Walter P. Miller, jr.; secretary, J. Mervin Rosenberger, and treasurer, Richard L. Durst.

Named to the board of directors were the following:—Wesley P. Adams, Harry C. Andersen, R. G. Anderson, Paul R. Groves, B. A. Ludgate, Robert L. McNeil, jr., Paul S. Pittenger, Carl K. Raiser, C. H. Robertson, Ralph B. Rohrman, and Herbert C. Rohrer. Dr. Charles E. Vanderkleed is consultant to the organization.

Mr. Pittenger presented the nominating committee's slate, and Gordon Leech offered a resolution approving the past year's activities by the organization. The exchange announced that it will hold a golf outing June 10 at the Cedarbrook Country Club.

AWWA Meets May 10-15

The American Water Works Association will hold its annual conference in Grand Rapids, Mich., May 10 through 15.

Productions Available from CORNWELL CHEMICAL CORPORATION

ACIDS

Sulphuric Acid 60° 66° 98°
Electrolyte Acids—all strengths
Oleums 10° 20° 25° 65%
Muriatic Acid 20°
Nitric Acid 36° 38° 40° 42°
Chromic Acid
Acetic Acid
Pickling Acids
Inhibited Sulphuric, Muriatic Acids
Mixed Acids (Nitric-Sulphuric)
Phosphoric 75% Food Grade
85% N. F. Grade

ALKALIES

Caustic Soda (Flake, Solid, Liquid)
Caustic Potash (Flake, Solid, Liquid)
Soda Ash, Light & Dense
Sodium Bicarbonate
Potassium Carbonate

AMMONIA

Aqua Ammonia 26°

ANHYDROUS SODIUM SULPHATE

—99.9%

PHOSPHATES

Disodium Phosphate Crystal
Trisodium Phosphate
Tetrasodium Pyrophosphate
Tripolyphosphate

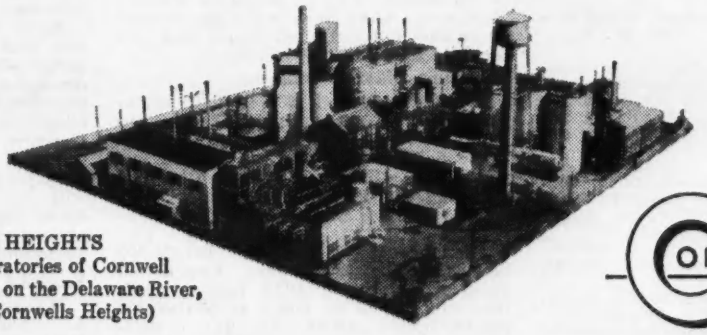
MISCELLANEOUS

Calcium Chloride
V.C.F. Salt

FINE CHEMICALS

Phenol Sulphonic Acid
Aluminum Chloride 32° Be'

Facilities maintained for custom manufacturing at Cornwells Heights Plant.



CORNWELLS HEIGHTS
Plant and laboratories of Cornwell Chemical Corp. on the Delaware River, Philadelphia (Cornwells Heights)

CORNWELL

Cornwell Chemical Corporation

Executive Offices—24 E. 38th St., New York, N.Y.—MUrray Hill 3-0174

Sales Offices—Philadelphia, Pa.—Torresdale 4-7358
Paterson, N. J.—Lambert 5-2494
Reading, Pa.—Reading 2-1224

Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, January 30 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).
Acenaphthene below 92.5 C., m.p., dms., works lb. .40 - —
over 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde, 99% dms. c.l., frt. equald lb. .1250- .1435
l.c.l., frt. equald lb. .1350- .1535
tanks, frt. equald lb. .1050- .1300
Acetaldol (see Aldol).
Acetanilide tech., bbls., c.l., dlvd. lb. .26½- —
l.c.l., ton lots lb. .27½- —
smaller lots lb. .30½- —
USP, bbls., 2,000-lb. lots lb. .61 - —
smaller lots lb. .62 - .67
Acetic anhydride, dms., c.l., dlvd. E. lb. .16 - —
l.c.l., dlvd. E lb. .17½- —
tanks, dlvd. E lb. .14½- —
Acetoacetanilide, fib. dms., c.l. dlvd. lb. .73 - —
l.c.l., dlvd lb. .74 - —
Acetoacetorthochloroanilide, fib. dms., c.l., dlvd lb. 1.14 - 1.22
l.c.l., dlvd lb. 1.15 - 1.23
Acetoacetorthotoluidide, fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —
Acetone, CP, dms., c.l., dlvd lb. .10¼ - .11¾
l.c.l., dlvd lb. .11 - .12½
tanks, dlvd lb. .08½- .10
Methyl (see M)
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin USP bbls. works, frt. equald lb. 1.15 - 1.17
Acetophenone, cns. dms lb. 1.35 - 1.85
tech., dms., l.c.l. works lb. .75 - —
Acetyl (N) para-aminophenol, dms., frt. adjusted lb. 1.50 - 1.60
Acetyltributyl citrate, tech., dms., c.l lb. .37½- —
l.c.l lb. .38½- —
tanks lb. .36 - —
Acetyltriethyl citrate, tech., dms., c.l lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —
Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390- —
cryst., dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - .07½
Acetic, com'l or redist., 28%, bbls 100 lbs. 5.50 - —
56%, bbls 100 lbs. 9.65 - —
70%, bbls 100 lbs. 11.70 - —
80%, bbls 100 lbs. 12.45 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.00 -16.00
USP, cbys, inclusive works. 100 lbs. 24.00 -25.00
tech., dms., c.l., works 100 lbs. 10.50 -12.50
l.c.l., works 100 lbs. 11.00 -13.50
tanks, works frt. equald 100 lbs. 9.00 -11.50
USP, dms, works 100 lbs. 13.50 -14.50
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .60 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls, same basis, lb. .55 - —
Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Adipic, fib. dms., works lb. .30½- —
Aminoacetic, NF, bbls., frt. adjusted lb 1.50 1.75
Anthranilic, resub., bbls lb 2.10 - —
tech., bbls., frt equald lb 1.10 - —
Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic USP dms., 25-50 kilo lots, kilo 21.00 - —
10-kilo lots kilo 21.35 - —
5-kilo lots kilo 21.75 - —
bots., 1-kilo lots kilo 22.00 - —
500-gram lots kilo 22.50 - —
Battery, cbys, c.l., works, E. 100 lbs 2.40 - —
l.c.l. works, E 100 lbs. 2.80 - 3.20
Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .423 - .450
USP, bbls., dms., 100-lb. lots or more lb. .525 - .540
Betahydroxynaphthoic (see Acid, betaoxynaphthoic).
Betaoxynaphthoic, bbls., works lb. 1.14 - —
Boric, tech., 99½% cryst., bgs., c.l., works ton. 120 75 - —
ton lots, ex whse., N. Y. or Chi ton. 166.50 - —
less ton lots same basis. ton. 171.50 - —
bbls., c.l., works ton. 145 25 - —
ton lots, ex whse., N. Y. or Chi ton. 191 00 - —
less ton lots same basis. ton. 196.00 - —
bulk, c.l., works ton. 116.75 - —
gran., bgs., c.l. works ton. 95 75 - —
ton lots, ex whse., N. Y. or Chi ton. 141.50 - —
less ton lots, same basis. ton. 146.50 - —
bbls, c.l., works ton 120 25 - —
ton lots, ex whse., N. Y. or Chi ton. 166 00 - —
less ton lots, same basis. ton. 171.00 - —
bulk, c.l., works ton. 91.75 - —
powd., bgs., c.l. works ton. 100 75 - —
ton lots, ex whse., N. Y. or Chi ton 146.50 - —
less ton lots same basis, ton. 151.50 - —
bbls, c.l., works ton. 125.25 - —
ton lots, ex whse., N. Y. or Chi ton. 171.00 - —
less ton lots, same basis, ton. 176.00 - —
bulk c.l. works ton. 96.75 - —
USP $25 per ton higher.

Acid, broenner's, bbls lb. 1.47 - —
Butyric, 99%, dms., c.l., works, lb. .34 - —
l.c.l., works lb. .34½- —
tankcars, works lb. .32½- —
Cacodylic, bots lb 10.50 -13.00
Camphoric, natural, dms lb. 4.00 - 4.75
synth., dms lb 4.00 - 4.75
Capric, 90%, dms lb. .32¼- .33½
Caprylic, 90%, dms lb. .32¼- .33½
Cassello dms frt alld lb 1.44 - —
Castor oil, dms lb. .22½- .23
Chicago, bbls, frt alld lb 1.21 - —
Chlorosulphonic, dms., c.l., frt. equald lb. .039 - —
l.c.l. frt equald lb 044 - .059
tanks, frt. equald lb 034 - —
Cholic, 10 to 25-lb. lots, fiber dms. lb. 10.75 -10.85
Chromic, 99½-99¾% dms., c.l., works lb. .27 - 27½
l.c.l., works lb. .27½- .28½
NF (see Chromium trioxide)
Cinnamic, refd. bots lb. 3.50 - 3.50
Citric, anhyd., gran., fine gran., dms., c.l lb. .26½- —
10,000-lb. lots, 1 ship't. lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
USP, gran. fine gran., dms., c.l lb. .24½- —
10,000-lb. lots, 1 ship't. lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
Powdered anhydrous, and powdered USP citric acid, ½c. higher.
Cleve's, mixed bls lb. .75 - —
Coconut oil, dist., dms lb. .23¼- .24½
tankcars lb. .21½- .22½
double dist., dms lb. .24¼- .25½
tankcars lb. .22½- .25½
Corn oil, dist., dms lb. .12 - .12¾
tanks lb. .10¼- —
Cottonseed oil, dist., dms lb. .12 - .12¾
double, dist., dms lb. .12½- .13¼
Cresylic, coaltar, dom., 50% 207°C or above, ret. dms., c.l., frt. equald gal. .98 - —
l.c.l., same basis gal. 1.03 - —
non-ret. dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
204° to 207°C, ret dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis gal. 1.08 - —
non-ret. dms., c.l., same basis gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —

Acid, cresylic, coaltar, dom., 204° to 207°C., tanks, same basis gal. .93 - —
imp., 75% at 215°C. or over, dms., ex., whse gal. .85 - .95
petroleum, dom., 195° to 213°C, non ret. dms., c.l. San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .58 - —
200° C to 222° C, tanks, Wilmington, Cal gal. .58 - .63
211° C to 236° C, non-ret, dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C to 242° C, tanks, Wilmington Cal gal. .50 - .53
245° C to 298° C, tanks, Wilmington Cal gal. .46 - —
Crotonic, fib. dms., works lb. .45 - —
Cyanoacetic, tech. bbls lb. .90 - 1.25
Dehydrocholic, injection, fib. dms., 10 to 100-lb. lots lb. 25.00 -25.50
oral, fib., dms., 10 to 100-lb. lots lb. 18.40 -18.45
Desoxycholic, fib. dms., 10 to 100-lb. lots lb. 23.50 - —
Dichlorophenoxyacetic (see under "D" 2,4-D).
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms., c.l., works lb. .35 - —
l.c.l. works lb. .35½- —
tanks works lb. .33½- —
F, crude, paste, bbls., works lb. 1.67 - —
Folic, bots, fib cns, kilo or more gram 1.60 - —
Formic, 85%, cbys., c.l., works lb. .1420- .1470
l.c.l., works lb. .145 - .157
90%, cbys., c.l., works lb. .1475- .1525
l.c.l., works lb. .1500- .1625
Fumaric, tech., bbls, dms lb .37 - .38
Gallic, NF VII, bbls, 1,000-lb. lots, lb 1.80 - —
smaller lots lb 1.82 - 2.00
technical, bbls., 1,000-lb lots lb. 1.58 - —
smaller lots lb. 1.69 - 1.78
Gamma, dry, ground, bbls., frt. alld lb 1.50 - —
paste, bbls., frt. alld lb 1.45 - —
Gentisic, 100-lb fib dms lb 8.50 - —
Gluconic, tech., 50% bots lb .23½- .31½
dms lb. .14½- —
cbys. lb. .17½- —
Glutamic 99½% laevo, fib. dms., 100-lb lots, works lb 2.45 - 2.53
25-lb. lots, works lb. 2.60 - 2.63
Glycerophosphoric, 35%, dms., works lb 2.25 - 2.35

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	NF.	National Formulary
alld.	allowed	dist.	distilled	No.	number
ammo.	ammonia	distr.	distributor	nom.	nominal
amorph.	amorphous	djns.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz.	ounce
		dms.	drums	Pac.	Pacific
anhyd.	anhydrous	dom.	domestic	pf.	proof
a.p.a.	available phosphoric acid	E.	east	phos.	phosphate
		e.p.	end point	photo.	photographic
artif.	artificial	equald.	equalized	pkgs.	packages
ASTM.	American Society for Testing Materials	F	fahrenheit	powd.	powdered
		ferment.	fermentation	precip.	precipitated
		ffa.	free fatty acid	prod.	producer
Be.	Baume	ffc.	free from chlorine	pt.	point
bbls.	barrels	fib.	fiber	pulv.	pulverized
bgs.	bags	f.o.b.	free on board	purif.	purified
bls.	bales	FPA.	free of prussic acid	redist.	redistilled
bots.	bottles			refd.	refined
b.p.	boiling point	frt.	freight	refy.	refinery
b.p.l.	bone phosphate of lime	fus.	fused	reg.	regular
		gal.	gallon	resub.	resublimed
b.r.	boiling range	gran.	granular	ret.	returnable
bxs.	boxes	grd.	ground	SD.	specially denatured
C.	centigrade	i.&a.	iron and aluminum	s.d	single distilled
cbys.	carboys			S. E.	southeast
CD.	completely denatured	i.b.p.	initial boiling point	secs.	seconds
c.i.f.	cost, insurance, freight	imp.	imported	s.g	specific gravity
		incl.	included	shipt.	shipment
cks.	casks	indust.	industrial	solut.	solution
c.l.	car lots	kgs.	kegs	s.u	standard unit
cns.	cans	lacq.	lacquer	synth.	synthetic
col.	color	lb.	pound	tanks.	railroad tank-cars
comi.	commercial	l.c.l.	less than car lots	tech.	technical
conc.	concentrated	liq.	liquid	USP	U. S. Pharmacopoeia
CP.	chemically pure	m.a.p.	mixed anilin point		
cps.	centipoises	M c.f.	thousand cubic feet	vis.	viscosity
cryst.	crystal			VM&P	varnish makers & painters
cs.	cases	min.	minimum		
ctns.	cartons	m.p.	melting point	W	west
cyls.	cylinders	N.	nitrogen	whse.	warehouse
dbl.	double	nat.	natural	w w	water white
denat.	denatured				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material

Acacia—Acid, Orthocresotinic

Acid, glycolic (see Acid hydroxyacetic).
H, bbls., works, basis 100% lb. .52 - —
Hyuriodic 1.50 s.g. cbys lb 2.67 - —
1.70 s.g. cbys lb 2.98 - —
Hydrobromic, medicinal, 48%, cbys., dlvd E lb .37 - .43
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., frt. alld. lb. .73 - .95
dilute, NF, 2%, 5-lb. pots lb. .40 - —
Hydrofluoric, anhyd., cyls., works. lb. .24 - .25
tanks, works lb. .16 - —
70%, steel dms., works lb. .1535- .1955
Hydrofluosilicic, 30-35%, bbls., works lb. .07 - —
Hydroxyacetic, tech. 70% bbls., non-return., Phila., basis 100% lb. .12 - —
tanks, Belle, W Va., basis 100% lb. .065 - —
Hypophosphorous, purif., 50%, cbys lb. 1.30 - 1.32
USP, cbys lb .88 - —
Isonicotinic, 100 lb fib dms, works lb. 8.00 -10.00
J, bbls., works, basis 100% lb. 2.50 - 2.85
Koch, bbls, frt alld lb. .64 - .70
L, bbls frt alld lb 1.25 - —
Lactic, edible, 50% bbls., 20 or more lb. .17 - .20
smaller lots lb. .17½ - .21
80%, bbls., 5 or more lb. .30 - .3640
less than 5 bbls lb. .305 - .3690
plastic grade, 50% bbls., 20 or more, works lb. .21¾- —
1 to 19 lb. .22¼ - .22¾
80% bbls., 5 or more lb. .3815- —
tech., 22%, bbls, c.l., works, 100 lbs 6.30 - —
l.c.l., works 100 lbs 6.70 - —
cbys., works 100 lbs 7.20 -12.20
44%, bbls., c.l., works 100 lbs. 11.45 -11.95
l.c.l., works 100 lbs. 11.85 -12.50
NF, 85%, cbys lb. .85 - .88
Ladrent's, bbls lb .60 - .87
Lauric, 90%, dms lb. .34¾- .35½
60%, dms lb. .23¼- .24
Linseed oil, dist., dms lb. .2060- .2110
water-white, dms lb. .2360- .2410
Maleic, cryst., powd., dms. lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots, lb 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload works lb 76½- .80
Molybdic, 85-92%, dms, works lb. 1.27 - —
Monochloroacetic, purified, flake, 99% dms lb. .23½- .25½
tech., flake, 96-97%, dms lb. .20 - .22
Muriatic, 18° cbys., c.l. works. 100 lbs. 2.45 - 2.80
l.c.l., dlvd. Metropolitan area 100 lbs 3.50 - 4.30
tanks, works ton. 25.00 -29.00
20°, cbys., c.l., works 100 lbs. 2.70 - 3.05
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 27.00 -33.00
22°, cbys., c.l., works 100 lbs 3.30 - 3.40
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 32.00 - 36.00
CP, USP consumers, cbys., extra, c.l., works lb. .11¾- —
l.c.l., same basis lb. .13¼- .13¾
5 pint bottles, extra, cs., c.l., same basis lb. .16¾ - —
l.c.l., same basis lb. .19¼- —
Acid, muriatic, CP, USP, prices to dealers, 1½c per lb less.
Myristic, dms lb. .28½- .29¼
Naphthenic, 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol(1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. 1.05 - —
Nicotinic, USP, dms., frt adjusted kilo 9.00 - 9.30
Amide (see Nicotinamide).
Nitric 36° Be cbys., c.l., works, E. 100 lbs 5.00 - —
l.c.l., works E 100 lbs. 5.30 - 11.10
38° Be cbys., c.l., works E 100 lbs. 5.50 - —
l.c.l., works E 100 lbs 5.80 - 11.60
40° Be cbys., c.l., works E 100 lbs. 6.00 - 6.50
l.c.l. works E 100 lbs 6.30 - 12.10
42° Be cbys., c.l., works E 100 lbs. 6.50 - 7.00
l.c.l., works E 100 lbs. 6.80 - 12.60
60% HNO_3, tanks, works, basis 100% 100 lbs. 3.25 - —
95% HNO_3, tanks works, basis 100% 100 lbs. 4.25 - —
CP, NF consumers, cbys, extra c.l. works lb. .13½- —
l.c.l., same basis lb. .15 - .15½
5 pint bottles, extra, cs., c.l., same basis lb .17½ - —
l.c.l. same basis lb. .19 - .25
Oleic, single distilled, dms lb. .13 - .13½
tanks lb. .11¼- —
double distilled (white), dms lb. .15½- .16¼
tanks lb. .13¾- —
Oleum (see Acid, sulphuric (fuming).
Orthochlorobenzoic, fib dms., works lb. 1.13 - —
Orthocresotinic, dms, ton lots, works lb. .66 - —
smaller lots, works lb. .68 - —

Acid, Oxalic—Alcohol, Isopropyl

Acid, oxalic, bbls., c.l., works . lb. .1575- .1590
10,000-lb lots, works .... lb. .16 - .1615
smaller lots, works .... lb. .17 - .1715
Palm oil, double dist., dms .... lb. .12¼- .13
Para-aminobenzoic, tech., dms., lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 3.50 - —
smaller lots .... lb. 3.55 - 3.75
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted . lb. 4.25 - —
smaller lots, same basis .... lb. 4.30 - 4.75
Parachlorobenzoic, fib. dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms .... lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, bots .... lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots . lb. .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works 100 lbs. 7.00 - 7.10
l.c.l., works .... 100 lbs. 7.50 - 8.00
tanks, works .... 100 lbs 4.90 - 5.00
NF, 85%, cbys., c.l., works lb. .08 - .08¼
l.c.l., works .... lb. .08½- .09¼
Picric, NF 300-lb. bbls .... lb .55 —
dms., small .... lb. .31 - .37
tech., bbls .... lb .32 - .33
Propionic, synthetic, pure, dms., c.l., works lb. .258 - —
l.c.l., works .... lb. .263 - —
tanks, works .... lb. .19 - .243
Pyrogallic, NF., (see Pyrogallol)
tech., bbls .... lb. 2.76 - 2.99
Pyroligneous, dms., incl., t.c.l., works gal. .36 - —
whse. .... gal. .504 - —

Acid, ricinoleic (see Acid, castor oil, split).
S, bbls., works .... lb. 3.25 - —
Salicylic, crude, bgs .... lb. .38 - —
sublimed, tech., bbls., c.l. .... lb. .37 - —
l.c.l. .... lb. .44 - —
dyestuffs grade, bbls .... lb. .39 - —
USP, cryst., bbls .... lb. .46 - —
powder, bbls .... lb. .51 - —
Sebacic, purified, dms., c.l., works. lb. .93 - —
l.c.l., works .... lb. .93½- .95
Soybean oil, double dist., dms lb. .13½- .14¼
single, dist., dms .... lb. .13 - .13¾
Stearic, double pressed, bgs .... lb. .11½- .12¾
single pressed, bgs .... lb. .11 - .12¼
triple-pressed, bgs .... lb. .13¾- .15
Succinic, purified, cryst., bbls., works lb. .63 - .75
Sulphanilic, tech., dms., c.l., frt. alld . lb. .18 - —
l.c.l., frt. alld .... lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works .... 100 lbs. 2.03 - 2.85
tanks, works .... ton.16.30 - —
66° Be, cbys., c.l. works 100 lbs. 2.00 - 2.10
l.c.l., works .... 100 lbs. 2.30 - 3.10
tanks, works .... ton.20.00 - —
96-100%, tanks, works .... ton.21.00 - —
CP, NF, consumers cbys, extra, c.l., works, frt. equald. lb. .09¾- —
l.c.l., same basis .... lb. .11¼- .11¼
5 pt. bots., extra, cs., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
fuming, 20%, tanks, works ton.22.40 - —
Tallow, dist., dms .... lb. .10 - .10¾
hydrogenated, dms .... lb. .11 - .11¾

Acid, tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots .... lb. 1.65 - 1.76
powder, bbls., 1,000-lb. lots . lb. 1.50 - —
smaller lots .... lb. 1.51 - 1.69
tech., dms .... lb. .95 - —
Tartaric, USP, dom., 230, 250-lb., dms., c.l. lb. .37 - —
10,000-lb. lots, 1 ship't. . lb. .37½- —
smaller lots .... lb. .38 - —
100-lb. dms .... lb. .39 - —
small dms .... lb. .41 - .47
imported, bgs .... lb. .27 - —
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld .... lb. .74 - —
Toluenesulphonic, dms., c.l., works works lb. .16 - —
l.c.l., works .... lb. .17½- —
Trichloroacetic, bots. .... lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5-T).
Tungstic, tech., kgs., works . lb. 4.30 - —
Undecylenic, dms. .... lb. 1.40 - —
Aconite leaves, bls .... lb. .35 - .40
root, bls .... lb. .65 - .75
Aconitine, amorph., mild, bots oz.27.50 -32.50
cryst., potent, bots .... oz.78.00 -85.00
Acrolein, tech. grade, dms., works, lb. .47½- —
Acrylonitrile, dms., c.l., works . lb. .44½- —
l.c.l., works .... lb. .45 - .47
tanks, works .... lb. .43 - —
ACTH, bots .... gm.25.00 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls .... lb. .22 - .24
Adrenocorticotropic hormone—see ACTH
Agar, USP, Kobe No. 1 strip, bls. lb. 2.25 - —
powdered, 30 mesh, fib. dms. lb. 2.25 - 2.50
Agaric, white, bls .... lb. 2.25 Nom.
Agrimony herb, bls .... lb. .25 - .30
Alanine, dextro-laevo, dms., works. lb. 8.50 -11.00

Albumen (egg), edible, flake, bbls., lb. 2.56 - 2.58
powder, bbls .... lb. 2.58 - 2.60
tech., cryst., bbls .... lb. 1.01 - 1.08
Albumin, blood, dark (see Blood, dried, soluble).
light, dms, l.c.l. .... lb. .67 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd .... lb. .31¾- —
l.c.l., dlvd .... lb. .32½- —
tanks, dlvd. .... lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld, E. of Rockies . lb. .16¾- —
l.c.l., frt. alld. E. of Rockies . lb. .17½- —
tanks, frt. alld. E. of Rockies . lb. .15 - —
fermentation, ref'd., 126°-132°C, dms., c.l., dlvd . lb. .32¾- —
l.c.l., dlvd .... lb. .33¾- .36
tanks, dlvd .... lb. .31 - —
128-132° C., dms., l.c.l. dlvd. lb. .33¾- .36
ACS grade, dms., t.c.l., dlvd lb. .35¾- —
synthetic, normal, dms., c.l., works . lb. .42 - —
l.c.l., works .... lb. .43 - —
tanks, works .... lb. .40 - —
secondary, dms., c.l., frt. alld. E . lb. .23¼- —
l.c.l., frt. alld. E .... lb. .24 - —
tanks, frt. alld. E .... lb. .21½- —
tertiary, dms. c.l., frt. alld. E. lb. .19¾- —
l.c.l., frt. alld. E .... lb. .20½- —
tanks, frt. alld. E .... lb. .18 - —
Benzyl, NF, dms .... lb. .64 - .79
tech., dms., dlvd .... lb. .47¼- .49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld .... lb. .15½- —
tanks, frt. alld .... lb. .13 - —
synthetic, normal, dms., c.l., dlvd . lb. .14¾- —
l.c.l., dlvd .... lb. .15½- —
tanks, dlvd .... lb. .13 - —
secondary, dms., c.l., dlvd. lb. .12¾- —
l.c.l., dlvd .... lb. .13½- —
tanks, dlvd .... lb. .11 - —
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld .... lb. .14½- —
tanks, frt. alld .... lb. .12 - —
Capryl, 85%, dms., c.l., works . lb. .15 - —
l.c.l., works .... lb. .15½- —
tanks, works .... lb. .13½- —
95%, dms., c.l., works .... lb. .16½- —
l.c.l., works .... lb. .17 - —
tanks, works .... lb. .15 - —
Cetyl, extra, fib., cns., 500-lb. lots or more . lb. .83 - —
smaller lots .... lb. .85 - —
NF, fib., cns., 140-lb. lots or more . lb. .63 - .82
smaller lots .... lb. .64 - .82
Cinnamic, bots .... lb. 2.25 - 3.20
Decyl, bots .... lb. 1.70 - 2.00
Denatured, CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies . gal. .54½- .68½
l.c.l., dlvd., same basis gal. .58½- .72½
tanks, dlvd., same basis . gal. .42½- .56½
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies . gal. .55 - .69½
l.c.l., same basis .... gal. .59 - .78½
tanks, same basis .... gal. .43 - .57½
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
SD1, dms., c.l., dlvd. E. of Rockies . gal. .55 - .69
l.c.l., same basis .... gal. .59 - .78
tanks, same basis .... gal. .43 - .57
SB2B, dms., c.l., dlvd. E. of Rockies . gal. .53 - .68
l.c.l., same basis .... gal. .57 - .77
tanks, same basis .... gal. .41 - .56
SD3A, dms., c.l., dlvd. E. of Rockies . gal. .53 - .67
l.c.l., same basis .... gal. .57 - .76
tanks, same basis .... gal. .41 - .55
SD23A, dms., c.l., dlvd. E. of Rockies . gal. .55½- .69
l.c.l., same basis .... gal. .59½- .73
tanks, same basis .... gal. .43½- .57
SD23H, dms., c.l., dlvd. E. of Rockies . gal. .55½- .69½
l.c.l., same basis .... gal. .59½- .78½
tanks, same basis .... gal. .43½- .57½
SD29-1, dms., c.l., dlvd. E. of Rockies . gal. .53½- .68½
l.c.l., same basis .... gal. .57½- .77½
tanks, same basis .... gal. .41½- .56½
SD30, dms., c.l., dlvd. E. of Rockies . gal. .52½- .66½
l.c.l., same basis .... gal. .56½- .75½
tanks, same basis .... gal. .40½- .54½
SD35A, dms., c.l., dlvd. E. of Rockies . gal. .55½- .70
l.c.l., same basis .... gal. .59½- .79
tanks, same basis .... gal. .43½- .58
SD40, dms., c.l., dlvd. E. of Rockies . gal. .54 - .68½
l.c.l., same basis .... gal. .58 - .77½
tanks, same basis .... gal. .42 - .56½
Diacetone, acetone free, dms., c.l., dlvd . lb. .13¾- —
l.c.l., dlvd .... lb. .14½- —
tanks, dlvd .... lb. .12 - —
tech., dms., c.l., dlvd .... lb. .13¼- —
l.c.l., dlvd .... lb. .14 - —
tanks, dlvd .... lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal.20.47 -20.62
l.c.l., same basis .... gal.20.51 -20.71
tanks, same basis .... gal.20.35 -20.50
tax free, dms., c.l., dlvd. E. of Rockies . gal. .52 - .67
l.c.l., same basis .... gal. .56 - .76
tanks, same basis .... gal. .40 - .55
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies, gal.21.57 -21.72
c.l., same basis .... gal.21.61 -21.81
tanks, same basis .... gal.21.45 -21.60
Ethylbutyl, dms., c.l., works . lb. .29¼- .29¼
l.c.l., works .... lb. .30 - —
tanks, works .... lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E lb. .27¾- —
l.c.l., same basis .... lb. .28¾- —
tanks same basis .... lb. .26¼- —
Furfuryl, tech., cns., works .... lb. .31 - —
dms., c.l., works .... lb. .22½- —
l.c.l., works .... lb. .24 - —
tanks, works .... lb. .19½- —
Isoamyl (see Alcohol, amyl, fermentation, refined).
Isobutyl, dms., c.l., dlvd .... lb. .13¾- —
l.c.l., dlvd .... lb. .14½- —
tanks, dlvd .... lb. .12 - —
Iso-octyl, dms., c.l., dlvd .... lb. .26¼- —
l.c.l. dlvd. .... lb. .27 - —
tanks, dlvd. .... lb. .24½- —
Isopropyl, refd., 91%, dms., c.l., dlvd . gal. .50½- —
l.c.l., dlvd .... gal. .55½- —
tanks, dlvd .... gal. .38½- —
95%, dms., c.l., dlvd .... gal. .52¾- —
l.c.l., dlvd .... gal. .57¾- —
tanks, dlvd .... gal. .40¾- —
99%, dms., c.l., dlvd .... gal. .55 - —
l.c.l., dlvd .... gal. .60 - —
tanks, dlvd .... gal. .43 - —

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Adding a DOWICIDE® PRESERVATIVE to latex paint prevents damaging bacteria growth during shelf-life—prevents mildew formation on painted surfaces. This is just one of many instances in which the addition of a DOWICIDE PRESERVATIVE to a new product insured its sales success. The new family of latex paints owes much of its acceptance to the positive microbial control action of DOWICIDE PRESERVATIVES.

Dow manufactures fourteen different DOWICIDE PRESERVATIVES. They are being used in a variety of industries to stop waste resulting from destructive bacteria and mold growth. Whether you are developing a new product or changing an old one, DOWICIDE PRESERVATIVES may well have a place in your plans. Be certain to send today for detailed information on DOWICIDE PRESERVATIVES. THE DOW CHEMICAL COMPANY, Midland Michigan.

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Alcohol, lauryl, bots.....lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Octyl, perfumer's grade, bots..lb. 2.00 - 3.25
technical (see Octanol normal).
Pentothenyl (see Panthenol).
Phenylethyl, dms.....lb. 1.57 - 2.13
Polyvinyl, various grades, bgs., ton lots, works..lb. .72½- .76
smaller lots, works....lb. .77½- .81
Propyl, normal, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .10 - —
Tetrahydrofurfuryl, cns., Waverly, N. Y...lb. .49½- —
dms., Niagara Falls, N. Y...lb. .42½- —
l.c.l., Waverly, N. Y....lb. .45 - —
tanks, Niagara Falls, N. Y..lb. .40 - —
industrial grade, dms. c.l., Niagara Falls, N. Y..lb. .29 - —
l.c.l., Waverly, N. Y....lb. .30 - —
tanks, Niagara Falls, N. Y.lb. .27 - —
Aldol, 95%, dms., works.....lb. .23 - —
denaturing grade, dms.....gal. 2.15 - —
Aldrin, 60% solut., dms., c.l., works, frt. alld..lb. .64½- —
l.c.l., works, frt. alld.....lb. .76½- —
Aletris root, bgs.....lb. 1.20 - 1.25
Algin (see Sodium alginate).
Alkanet root, bgs.....lb. .45 - .46
Allethrin, 100%, dms., frt., alld..lb.32.00 - —
90%, dms., frt. alld.....lb.28.80 - —
solution, 20%, dms., 100-lb. lots, frt. alld..lb. 6.65 - —
2½%, dms., frt. alld.....gal. 6.00 - —
Allspice (see Pimento).
Allyl bromide, cbys., works.....lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd.....lb. .16¾- —
l.c.l., dlvd.....lb. .17½- —
tanks, dlvd.....lb. .15 - —
Starch, solid, dms., works.....lb. .52¾- .54¾
solution, 40% toluol-butanol, dms., works..lb. .25½- .26¼
Aloe, Cape, cs.....lb. .28 - .30
powdered, cs.....lb. .44 - .45
Curacao, kgs.....lb. .50 - .55
Socotrine, kgs.....lb. .25 - .35
Aloin, USP, bbls., dms., kgs...lb. 4.25 - 4.70
Alphanaphthol, bbls., frt. alld....lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .45 - —
Alphanitronaphthalene, bbls., frt. alld..lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald..lb. .39½- .43½
l.c.l., works, frt. equald....lb. .40 - .44
Alphapinene, tanks, South, works..gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. fr. lb. .17 - —
Alphatocopherol, bots.....kilo.250.00 - —
Acetate, bots.....kilo.250.00 - —
Althea root, NF, peeled, bls....lb. .20 - .33
Alum, ammonium, gran., bgs., works..100 lbs. 3.80 - —
lump, dms., works....100 lbs. 4.55 - 4.95
powd., dms., works....100 lbs. 4.70 - 5.10
USP, burnt, dms.....lb. .20 - .21
hydrous, 1ms.....lb. .07¾- .08
Potassium, gran., bgs., works, 100 lbs. 4.05 - —
lump, dms., works....100 lbs. 4.80 - 5.20
powd., dms., works....100 lbs. 4.95 - 5.35
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potash-chrome, dms.....lb. .17 - —
Sodium, dms., c.l., works..100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works, lb. .0385- —
l.c.l., works.....lb. .0410- .0510
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .15 - —
l.c.l., works, frt. equald, lb. .1550- —
cryst., dms., c.l., works....lb. .1030- —
l.c.l., works.....lb. .1070- —
solution, 32°, cbys., c.l., works, lb. .0369- —
l.c.l., works.....lb. .0435- .0960
tankcars, works...100 lbs. 2.80 - —
NF, gran., dms., works....lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works..lb. .11¾- —
l.c.l., works.....lb. .12¾- —
Aluminum fluoride, fiber dms., 35c. per 100 lbs. higher.
Formate, basic solution, cbys..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald..ton.60.00 - —
l.c.l., works.....ton.65.00 -65.00
light bgs., dlvd.....lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15% Al_2O_3, fib dms., works..lb. .22 - —
contract, works..lb. .21 - —
9-9½% Al_2O_3, fib dms., works..lb. .19 - —
contract, works..lb. .18 - —
dried, USP, XIV, fib., dms., works..lb. .82½- —
contract, works..lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate precip., bbls.....lb. .44 - —
Metal, 99%+ ingots, 10,000-lb lots, frt., alld..lb. .20½- —
pigs, 10,000-lb. lots frt., alld., lb. .19½- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour classified, 8-240 mesh, dms., frt. alld..lb. .14 - .15
kgs., frt. alld.....lb. .12½- —
smaller lots, frt. alld, lb. .13 - .15
238-400 mesh, dms., frt. alld..lb. .32 - .33
kgs., frt. alld.....lb. .31 - —
500 mesh, dms., frt. alld..lb. .35 - .37
kgs., frt. alld.....lb. .34 - —
600 mesh, dms., frt. alld, lb. .51 - .53
kgs., frt. alld.....lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd...lb. .36 - .86
unclassified, dms., frt. alld, lb. .16 - .17
kgs., frt. alld.....lb. .15 - —
Paste, lining, extra-fine, dms..lb. .59½- —
standard, dms.....lb. .41 - —
Powder, lining, extra fine, dms..lb. .97½- —
standard dms.....lb. .68½- —
rubber grade, dms.....lb. .58½- —
unpolished, standard, dms...lb. .54½- —
varnish standard, dms.....lb. .59 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb for 100-lb. drm., 1½c. per lb for 50-lb. drm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over.
Resinate, precip., dms., frt. alld, lb. .27½- —
Stearate, dibasic, ctns., c.l....lb. .33 - —
ton lots or less.....lb. .34 - —
monobasic, ctns., c.l.....lb. .33 - —
ton lots or less.....lb. .34 - —
tribasic, ctns., c.l.....lb. .33 - —
ton lots or less.....lb. .34 - —

Aluminum sulphate, com'l, bulk, c.l., works..100 lbs. 1.65 - —
ground, bgs., works.....ton.33.00 - —
lump, bgs., works.....ton.36.00 - —
iron-free, bgs., c.l., works, frt. equald..100 lbs. 3.25 - —
l.c.l., works, frt. equald 100 lbs. 3.65 - 6.15
USP, gran., dms., works....lb. .13 - .15
powd., dms., works.....lb. .14 - .16
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots.....oz. 8.00 -10.00
Ambrette seed, bgs.....lb. .63 - .66
Aminoazotoluene, bbls.....lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., dlvd..lb. .46½- —
l.c.l., dlvd.....lb. .47½- —
tanks, dlvd.....lb. .45 - —
Aminomethylpropanol, cns., dms., works..lb. .60 - —
Aminophyllin, USP, 100-lb. dms..lb. 4.30 - —
Aminopyrine, USP, bots., dms..lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.79.00 -82.00
pure, cyls., extra, zone 1....lb. .17 - .17½
2.....lb. .17 - .18
3.....lb. .17 - .19
4.....lb. .20 - .21
5.....lb. .16 - .19
refrigeration tanks, works..ton.81.50 -84.50
Aqua (29.4%, NH_3), dms., c.l., dlvd., Met. area..100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 4.00 - —
tanks, works, anhyd. basis..ton.86.00 -90.00
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 8.25 - —
l.c.l., same basis...100 lbs. 8.65 -11.15
white, gran., bgs., c.l., works, 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 6.50 - —

Alcohol, Lauryl—Ammonium Thioglycollate

Ammoniacal liquor, tankcars, works, anhyd. basis..ton.90.00 - —
Ammonium acetate, purified, dms.lb. .38 - —
Benzoate, USP, dms., kgs., 4,000 lb. lots, frt. alld..lb. .80 - —
smaller lots, frt. alld.....lb. .81 - 1.08
Biborate, bbls., c.l., works....ton.312.00 - —
ton lots, ex whse.....ton.375.00 - —
less ton lots, ex whse....ton.380.00 - —
Bicarbonate, dom., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
imported, dms., l.c.l.....lb. .07¼- .08½
Bichromate, bbls., works.....lb. .34½- .38½
Bifluoride, dms., dlvd.....lb. .2035- .2160
Bromide, NF, gran., bbls.....lb. .38 - .39
dms.....lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher
Carbonate, USP, lump, powd., dms..lb. .23 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms....lb. .17¼- —
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF dms.....lb. 2.40 - —
Iodide, NF, bots., jars.....lb. 4.01 - 4.13
Linoleate, 80%, dms., works..lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point..ton.72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles..ton.86.84 - —
domestic, bgs., western, works ton.64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va ton.51.00 - —

Ammonium oxalate, fine gran., dms. lb. .23 - .31
Pentaborate, gran., bbls., c.l., works ton.222 00 - —
ton lots, ex whse.....ton.285.50 - —
less ton lots, ex whse..ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works.....lb. .50 - .75
Persulphate, kgs.....lb. .38 - —
Phosphate, com'l, bgs., c.l., works, frt. equald lb. .08½- —
l.c.l., same basis....lb. .09 - —
dibasic, NF, V, bbls., dms lb. .45 - —
tech., bgs., c.l., works, frt. equald..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Salicylate, NF dms. kgs....lb. 1.62 1.64
Silicofluoride, dms., works....lb. .11 - .12
Sulphamate, bbls., dms., works.lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton.44.00 -49.50
synthetic, bgs., c.l., western, works ton.50.00 -54.50
bulk, works.....ton.47 00 -49.50
purified, dms., works....lb 07½ .08½
Sulphide, liq., 40-45%, dms., c.l., basis 100%, works ton.211.50 - —
l.c.l., basis 100% works.ton.312 50 - —
tanks, dlvd or frt. alld ton.181.50 - —
Sulphocyanate, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .18 - —
l.c.l., works lb 19 .20
Thioglycollate, com'l, cbys., basis 100% lb. 1.60 —
highly purified, cbys., basis 100% lb. 1.70 1.96

METASAP*

...the most complete Stearate Service in the Nation

Metasap Stearate Service is "at your elbow" wherever you may be located in the United States. Our representatives and warehouses from coast to coast are ready to serve you promptly when you telephone, wire, or write; and our Technical Service Division stands prepared to tackle your production problems, and make recommendations based on your specific needs.

The following list of Metasap products, and brief summary of applications, indicate the wide range of industries served by Metasap and the remarkable versatility of Metasap Metallic Soaps.

COMPOUND	CHEMICAL TYPE	MELTING POINT	MOISTURE	WASHED ASH	SOLUBLE ASH	FREE STEARIC ACID	FINENESS	SOLUBILITY	APPLICATIONS
Aluminum Stearate GM	Aluminum	155°C.	<1.0%	10.0%	1.0%	6.0%	95%-200 mesh	B°, MS°, P°	A-1-2-4-5; D-1; G-1
Aluminum Stearate R	Aluminum	145°C.	<1.0%	8.0%	0.6%	10.0%	95%-200 mesh	B°, MS°, P°	A-1-2-3-4-5; B-2; D-1-2 E-2; F-2; H
Aluminum Stearate V	Aluminum	100°C.	<1.0%	6.0%	0.6%	25.0%	98%-200 mesh	B°, MS°, P°	E-2-3; F-1; G-2
Aluminum Stearate XX	Aluminum	115°C.	<1.0%	7.0%	0.5%	15.0%	95%-200 mesh	B°, MS°, P°	F-1
Metasap 537	Aluminum	160°C.	<1.0%	10.0%	1.0%	5.0%	90%-200 mesh	B°, MS°, P°	A-1; E-1
Metasap 569	30% Aluminum Solution	—	—	—	—	—	—	—	A-2; D-2
Metasap 571	Aluminum	100°C.	1.0%	6.0%	1.0%	10.0%	80%-200 mesh	B°, MS°, P°	D-2
Metasap 579	30% Aluminum Solution	—	—	—	—	—	—	—	A-2; D-2; F-2
Metavis 540	Aluminum	—	<1.0%	—	—	—	—	B°, MS°, P°	A-1
Metavis 543	Aluminum	—	<1.0%	—	—	—	—	B°, MS°, P°	A-1
Metasap 598	Aluminum	160°C.	<1.0%	9.8%	1.0%	5.0%	99%-200 mesh	B°, MS°, P°	A-1; E-1
Barium Stearate	Barium	160°C.	0.5%	27.0%	1.0%	—	100%-200 mesh	Insoluble	A-1-3; B-1; C
Calcium Stearate	Calcium	150°C.	2.5%	9.5% ash	—	—	100%-325 mesh	Insoluble	A-3; B-1-2-3; D-1-2; E-2; H
Lead Stearate	Lead	100°C.	2.0%	28.0% (Pb)	—	—	99%-325 mesh	Insoluble	B-1-4; C
Lithium Stearate	Lithium	220°C.	<1.0%	12.5% (Crude)	—	—	95%-325 mesh	B°, MS°, P°	A-1-3; B-1; E-1
Magnesium Stearate	Magnesium	145°C.	2.5%	8.0%	0.6%	—	100%-325 mesh	Insoluble	B-1-3; D-3; H
Zinc Stearate	Zinc	115°C.	<0.5%	15.5%	0.5%	—	100%-325 mesh	Insoluble	A-2; B-1-4; C; E-3; F-1; H
Zinc Stearate USP	Zinc	119°C.	<0.5%	15.0%	0.3%	—	100%-325 mesh	Insoluble	B-1-4; E-3; F-1
Metasap 546	Zinc	118°C.	<0.5%	15.5%	0.3%	—	100%-325 mesh	Insoluble	B-4
Metasap 574-A	Zinc	118°C.	<0.5%	15.5%	0.5%	—	100%-325 mesh	Insoluble	A-2; B-1-4; C; E-3; F-1; H
Metasap 576	Zinc	117°C.	<0.5%	15.5%	0.5%	—	100%-325 mesh	Insoluble	A-2; B-1-4; C; E-3; F-1; H
Aluminum Palmitate	Aluminum	—	—	—	—	—	—	—	A-2-5; D-2; G-1
Zinc Palmitate	Zinc	—	—	—	—	—	—	—	F-1; G-1

*Solubility Key: B-Benzol, MS-Mineral Spirits, P-Paraffin Oil, *-Gels.*

Metasap Stearates help to step up output, promote economies, and improve products. Full information about these quality soaps is yours for the asking—and we'll gladly work closely with you in the selection and application of any Metasap Stearate or Palmitate which will give you the most advantageous results.

APPLICATIONS:

(A) for **THICKENING**
1. oils for greases
2. paints
3. plastisols
4. waxes
5. printing inks

(B) for **LUBRICATING**
1. plastics (powders)
2. wire drawing compounds
3. pharmaceuticals (tablets)
4. rubber tubes & sheeting

(C) for **STABILIZING** vinyl resins

(D) for imparting **WATER REPELLENCY** to
1. textiles
2. building materials
3. hygroscopic powders

(E) to retain **TRANSPARENCY** in
1. greases
2. waterproofing materials
3. lacquers and varnishes

(F) for **FLATTING**
1. lacquers and varnishes
2. paints

(G) for **SUSPENSION** of
1 pigments
2 graphite

(H) as **BINDERS** in powder metallurgy

METASAP CHEMICAL COMPANY
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METASAP CHEMICAL COMPANY

Department 10, HARRISON, N. J.

Branches: Boston; Chicago; Cedartown, Ga.; Richmond, Calif.
Stocks at: Cleveland, Ohio; Louisville, Ky.; Portland, Ore.; Seattle and Spokane, Wash.; Los Angeles, Calif.

Ammonium Thiosulphate—Biotin

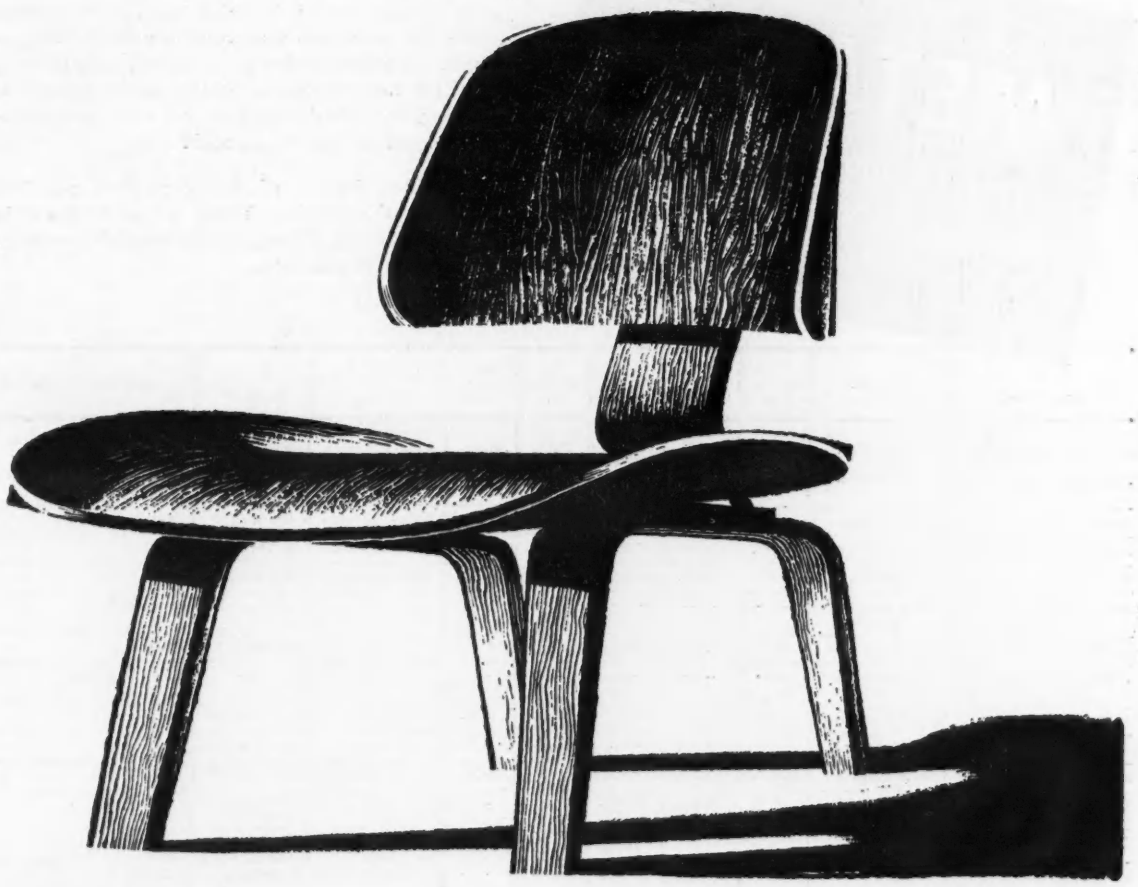
Ammonium thiosulphate, cryst., photo grade, fib. dms., frt. alld	lb.	.65	—
60% solution, dms., c.l., works	lb.	.06½	—
Amphetamine hydrochloride dibasic, dextro, bots	lb	32.00	—
dextro-laevo dms	lb	6.50	7.00
monobasic dextro, bots	lb	32.00	—
Phosphate, dibasic, dextro, bots.	lb	32.00	—
dextro-laevo dms	lb	6.50	7.00
Sulphate dextro, dms	lb	32.00	—
dextro-laevo dms	lb	6.50	7.00
Amyl acetate ex fusel oil, tech., E of Rockies	lb.	.16¾	—
t.c.l., same basis	lb.	.17½	—
tanks, same basis	lb.	.15	—
ex pentane dms, c.l., frt. alld. E of Rockies	lb.	.20	—
t.c.l. same basis	lb.	.21	—
tanks, same basis	lb.	.18	—
Alcohol (see Alcohol amyl).			
Butyrate dms	lb.	.90	1.05
Cinnamic aldehyde, dms	lb	1.70	2.10
Nitrite, USP, bots	lb.	1.75	1.83
Salicylate, cns., dms	lb.	.75	.95
Anethol, NF, cns., dms	lb.	1.00	1.50
Angelica root dom. bls	lb	.60	.70
imported bls	lb	.50	.60
Angostura bark, bls	lb.	.43	.48
Anilin oil, dms., c.l., works, frt. alld.	lb	.19	—
t.c.l. works frt alld	lb.	.20	—
tanks, works frt alld	lb.	.19	—
Salt dms, frt alld	lb.	.30	—
Anise, Balkan, bgs	lb.	.12¼	.13
Chinese, star, bgs	lb.	.68	Nom.
Czech, bgs	lb.	.12	.12½
Mexican bgs	lb.	.14½	.15
Spanish, bgs	lb.	.15	.17
Syrian, bgs	lb.	.13½	.14
Turkish, bgs	lb.	.13½	.14
Anisic aldehyde, bots., dms	lb.	2.35	2.80
Annatto seed whole, bgs	lb.	.26	—
powdered dms	lb.	.28	—
Anthracene, 90-95%, bbls., ton-lots, works	lb.	.80	—
smaller lots, works	lb.	.85	—
Anthraquinone, 99.5% bbls., frt. alld	lb.	.85	.87
Antimony butter (see Antimony trichloride)			
Metal, bulk, c.l., mines	lb.	.34½	—
cases, c.l. mines	lb.	.35	—
Oxide, bgs., c.l., frt. alld	lb.	.27½	.36
l.c.l., frt. alld	lb.	.29	.39½
Sulphide, 62-64% bgs. dlvd	lb.	.38	.38½
Trichloride, pails, c.l. works	lb.	.43	.47
l.c.l., works	lb.	.45	.49
solution cbys., works	lb.	.29	.30
Antimony-potassium tartrate (see Tartar emetic).			
Antipyrene NF dms	lb	2.50	2.60
Apomorphine hydrochloride, USP, bots	oz.	23.40	23.90
Areca nuts, powd. bbls	lb	.13	.16
Arecoline hydrobromide NF, bots, tins	oz	5.00	5.75
Arginine monohydrochloride, laevo, dms. 1 kilo lots kilo.		77.00	—
Argols, min 50% bgs shipment ports, per 100 kilos, basis 100%	lb.	No prices.	
Arnica flowers (true montana), bls.	lb.	.70	.71
root, bls	lb	1.45	—
Arrowroot, powd., bgs	lb.	.11	.14
Arsenic metal, lump, bbls., prompt ship't	lb.	.80	.90
Trioxide USP dms	lb.	.48	—
White, powd., bbls., c.l., dlvd	lb.	.05½	—
t.c.l., dlvd.	lb.	.06½	.07⅛
Asafetida, cs	lb.	.32	.35
powd., bbls., dms	lb.	.50	.53
Asbestine (see Talc, fibrous, N. Y.).			
Asbestos, Canadian, crude, No. 1, c.l. (20 tons) mines	ton	1,300.00	—
No. 2 c.l. (20 tons) mines	ton	675.00	—
Run-of-mine, c.l. (20 tons), mines	ton	556.00	—
3K, cl., (20 tons), mines	ton	436.00	—
3H, c.l. (20 tons), mines	ton	371.00	—
3T, c.l. (20 tons), mines	ton	348.00	—
3Z, c.l. (20 tons), mines	ton	321.00	—
4K, c.l. (20 tons), mines	ton	173.00	—
4M, c.l. (20 tons), mines	ton	173.00	—
4T, c.l. (20 tons), mines	ton	156.00	—
4Z, c.l. (20 tons), mines	ton	156.00	—
5D, c.l. (20 tons), mines	ton	122.50	—
5K, c.l. (20 tons), mines	ton	122.50	—
5M, c.l. (20 tons) mines	ton	116.50	—
5R, c.l. (20 tons) mines	ton	110.00	—
6D, c.l. (30 tons), mines	ton	78.00	—
7D, c.l. (30 tons) mines	ton	68.50	—
7F, c.l. (30 tons) mines	ton	65.00	—
7H, c.l. (30 tons), mines	ton	55.00	—
7K, c.l. (30 tons), mines	ton	46.00	—
7M, c.l. (30 tons) mines	ton	40.00	—
7R, c.l. (30 tons), mines	ton	39.00	—
7T, c.l. (30 tons), mines	ton	37.00	—
7RF, c.l. (30 tons), mines	ton	40.00	—
7TF, c.l. (30 tons) mines	ton	40.00	—
8S, c.l. (30 tons) mines	ton	27.00	—

Asbestos c.l. prices are in U. S. funds. L.c.l. lots, $4 per ton higher.

Asphalt, gilsonite, black, seconds, 300°-390°F fusing point not uniform bgs. c.l., Craig, Colo.; Heber City, Utah	ton	34.00	—
select, 350°F. fusing point, bgs., c.l., same basis	ton	38.00	—
270°-295°F. fusing point, bgs., c.l., same basis	ton	37.00	—
jet, bgs., c.l., same basis	ton	34.00	—
Asphalt, Manjak, No. 10, crude, dms., works	lb.	.06½	—
Petroleum, cut-back, tanks, tank-wagon, refinery	gal.	.09	—
emulsion, tanks, tank-wagon refinery	gal.	.09½	.10
steam refd., less than 80 penetration, tanks, tankwagon refinery	ton	22.00	—
80-300 penetration, tanks tank wagon, refinery	ton	21.00	—
Aspirin (see Acid Acetylsalicylic.)			
Atropine, USP, bots	oz.	9.35	10.00
Sulphate, USP, bots	oz.	4.50	5.00

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units.		70	—
less than 1,000,000,000 units 50,000 units.		.75	—
Balm of Gilead buds, dried bgs	lb	1.35	1.45
Barberry root bark, bags	lb.	.35	.40
tree bark, bgs.	lb	.40	.45
Barbital USP, 100-lb dms	lb	5.00	—
Sodium USP dms	lb	5.25	5.27
Barium carbonate precip., bgs. c.l. works	ton	85.50	—
smaller lots works	ton	95.50	—
Chlorate, kgs., works	lb	.34	.38
Chloride anhyd. bgs., c.l., works	bgs	152.00	—
t.c.l. works	ton	162.00	—
Nb cryst., dms	lb.	.16	—
Chromate, bgs., frt. equald	lb.	.30	—
Dioxide (see Barium peroxide)			
Hydrate, crystals, bgs	ton.	190.00	200.00
Iodide bots	lb	6.14	—
Monoxide (see Oxide).			
Nitrate, bbls. c.l. works	lb.	.12½	—
t.c.l. works	lb	.14	—
Oxide, grd., dms., c.l., works.	ton.	250.00	—
t.c.l. works	ton.	260.00	—
Peroxide, dms., works	lb	.16	—
Stearate, ctns., c.l.	lb.	.37	—
ton lots	lb	.38	—
less ton lots	lb	.39	—
Sulphate tech. (see Barytes and Blanc fixe).			
X ray, bbls.	lb.	.14	—
Sulphide, dms., c.l., works	ton.	71.50	—
l.c.l., works	ton	81.50	—
Baryte ore approx. 94%, $BaSO_4$, bulk, mines	ton	9.40	12.50
Barytes, Southern off-color, bgs., mines	ton.	20.00	—
95.75% bgs. mines	ton	20.00	—
water grd., paper bgs., c.l., St. Louis	ton	37.60	37.85
ex-whse. N. Y.	ton	53.45	61.75
Bauxite, bulk, mines	ton	9.50	10.00
Bay leaves (see Laurel leaves).			
Belladonna, leaf, bls	lb.	.35	.50
root, bls.	lb.	.25	.40
Belladonna, leaf, bls	lb.	.32	.35
Bentonite, dom., 200 mesh bgs., works	ton.	12.50	—
imported, Italian, white, high gel., bgs., 10 tons to c.l., ex dock	ton.	65.90	—
5 ton-lots, ex whse.	ton.	77.80	—
1 ton lots, ex whse.	ton.	80.30	—
low gel, bgs., 10 tons to c.l., ex dock	ton.	63.40	—
5 ton-lots, ex whse.	ton.	75.60	—
1 ton lots, ex whse.	ton.	78.10	—
Benzal chloride, cbys. works	lb	.22	.23½
Benzaldehyde, NF, dms	lb.	.74	1.05
tech., cbys., dms	lb.	.49	.80
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane).			
tech., bgs., dms., c.l., works, gamma	unit-lb.	.0091	.01
l.c.l., works, gamma	unit-lb.	.015	—
dust dry, distributors, dms., c.l., dlvd., gamma	unit. lb.	.015	—
l.c.l., dlvd., gamma	unit-lb.	.020	—
wet, distributors, dms., c.l., dlvd., gamma	unit lb.	.025	—
l.c.l., dlvd., gamma	unit-lb.	.0325	—
Benzidine base, bbls	lb.	1.02	—
Hydrochloride, bbls., frt. alld	lb.	.94	—
Benzocaine, dms	lb.	3.48	3.50
Benzol, pure, nitration, tanks, works.			
Bethlehem, Pa.	gal.	.38¾	—
Birmingham district	gal.	.30	.38¼
Chicago district	gal.	.30	.36¾
Cleveland district	gal.	.30	.35
Geneva, Utah	gal.	.30	—
Johnstown, Pa.	gal.	.36¾	—
Lackawanna, N. Y.	gal.	.38¾	—
Lone Star, Texas	gal.	.37	—
Lorain, Ohio	gal.	.30	—
Minnequa, Colo.	gal.	.35	—
Philadelphia, Pa.	gal.	.38¾	.39
Pittsburgh district	gal.	.30	.36¼
Sparrows Point, Md.	gal.	.38¾	—
Syracuse, N. Y.	gal.	.38¾	—
Terre Haute, Ind.	gal.	.36½	—
Wyandotte, Mich.	gal.	.39	—
Youngstown, Ohio	gal.	.35	.36
Benzophenone dms	lb.	1.40	1.70
Benzonitrile, dms., c.l., works	lb.	.46¾	—
l.c.l., works	lb.	.47	—
Benzotrichloride, cbys., frt. equald.	lb.	.18	.20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald.	lb.	.21½	.24½
l.c.l., same basis	lb.	.22½	.25½
Peroxide, pure, fib. ctns., works.	lb	90	1.05
Benzyl acetate, f.f.c., cns., dms	lb.	.65	1.05
Alcohol (see Alcohol, benzyl).			
Benzoate, USP, f.f.c., cns., dms.	lb.	.72	.80
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.24	—
High grade benzyl chloride, 2c. higher.			
Cinnamate, cns	lb.	3.00	3.75
Formate, cns	lb.	1.60	2.10
Propionate, bots	lb.	1.35	1.80
Salicylate, bots	lb.	1.65	1.85
Benzylidinacetone, bots	lb.	1.68	2.00
Benzylisoeugenol, cns.	lb.	8.60	9.10
Berberine bisulphate, cns	lb.	35.00	36.25
Hydrochloride, bots	lb.	35.00	36.25
Berberis root, bls	lb.	.32	.35
Betagammapicoline, 5°, dms., c.l., works	lb.	.29½	.32½
l.c.l., works	lb.	.30	.33
Betamethylnaphthalene, 32°C m.p., dms., works	lb.	.90	—
Betanaphthol, resublimed, dms., works	lb.	.78½	—
tech., bbls., c.l., works	lb.	.32½	—
l.c.l., works	lb.	.34½	—
Benzoate, fib dms., works	lb.	3.00	—
custom contract	lb.	1.65	1.85
Salicylate, dms	lb	5.00	—
Sulphate, cns	lb.	35.00	36.25
Betanaphthylamine, tech., bbls., works	lb.	1.05	1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.10	—
smaller lots	lb.	1.15	1.40
Betapicoline, 98%, dms., works	lb.	1.05	—
Beth root, bls	lb.	.40	.41
Biotin, cryst., bots	gram	10.00	—



RCI Makes This a Seat of Strength!

For everything from chairs to switchboards ... from fishing rods to counter tops ... RCI produces job-tailored laminating agents and adhesives that assure remarkable strength.

Moreover, RCI's awareness of industrial problems is seen in its realistic pricing policies ... its rapid delivery of orders ... and its reputation for supplying "know-how" to the users of its numerous quality materials.

No wonder that Reichhold has plants on every continent ... that it has become a *major* producer of synthetic resins for a variety of applications, as well as a manufacturer of chemical colors, phenol, glycerine, phthalic anhydride, maleic anhydride, sodium sulfate and sodium sulfite.

REICHHOLD CHEMICALS, INC.
630 Fifth Avenue, New York 20, N. Y.

Creative Chemistry...
Your Partner in Progress
REICHHOLD RCI

Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.10 - —
Oxide, anhydrous, dms lb. 4.47 - 5.05
Oxychloride, dms lb. 4.37 - 4.42
Phenolsulphonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb. .16 - —
cs., l.c.l., ship't point lb. .20 - .22
Bone, dms., l.c.l., frt. alld. lb. .15½- .22

Pacific coast bone black prices, 2c. per lb. higher.

Carbon, channel, heads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse. lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .10 - —
l.c.l., dlvd. or whse lb. .10 - —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns. l.c.l. whse lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd or whse lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns. l.c.l. whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works lb. .1175- —
l.c.l., works lb. .12 - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry, root bark, bls lb. .32 - .35
root, bls lb. .15 - .16
Black dyes (see Dyes).
Black haw, root bark, bls lb. .65 - .70
tree bark, bls lb. .40 - .42
Black Indian hemp root, bls lb. .60 - .61
Blanc fixe, dry, by-product, bgs., c.l., works ton.100.00 - —
l.c.l. works ton.110.00 - —
direct process, bgs., c.l., works. ton.90.00 - —
l.c.l., works ton.100.00 - —
N. Y. whse ton.120.00 -130.00
pulp, 66⅔%, bbls. c.l., works. ton.84.00 - —
l.c.l., same basis ton.92.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 6.00 - —
high-grade, unground, 16-17% ammon., bgs., Chicago unit-ton. 6.50 - —
soluble, bgs., c.l. lb. .16½- .18
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .55 - .56
Blue, alkali dry, bbls., dlvd. N. or Tenn. and N. C., E. of Miss R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.80 - 1.90
toner, bbls., litho flushed same basis lb. 1.00 - 1.05
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls, same basis lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstated, PTMA, bbls., same basis lb. 4.05 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .48 - —
Soda, C.P., bronze, bbls., same basis lb. .45 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .28 - .30½
regular types, dry, bbls., same basis lb. .15 - .33½
Victoria toner, molybdic, PMA, bbls lb. 3.90 - —
tungstated, PTMA, bbls lb. 5.35 - —

Blue, dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .45 - .46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .11 - .13
Bonemeal, steamed, works, E. ton.75.00 - —
Bone phosphate, defluorinated (see D).
of lime (see Calcium phosphate, tribasic)
precipitate, (see Calcium phosphate tribasic, NF, precip.).
Bones, raw, bulk, Atlantic ports ton.60.00 - —
Boneset leaves and tops, bls lb. .17 - .20
Borage flowers, bls lb. .65 - .66
Borax, tech., anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse, N. Y. or Chi ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —
crystals, 99½%, bgs., c.l., works. ton.63.75 - —
ton lots, ex whse, N. Y. or Chi ton.109.50 - —
less ton lots, same basis ton.114.50 - —
bbls., c.l., works ton.88.25 - —
ton lots, ex whse., N. Y., or Chi ton.134.00 - —
less ton lots, same basis. ton.139.00- —
bulk, c.l. works ton.59.25 - —
granular, 99½%, bgs., c.l., works. ton.37.75 - —
less ton lots, same basis. ton.88.50 - —
ton lots, ex whse., N. Y. or Chi ton.83.50 - —
bbls., c.l., works ton.62.25 - —
ton lots, ex whse., N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, 99½%, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi ton.88.50 - —
less ton lots, same basis. ton.93.50 - —

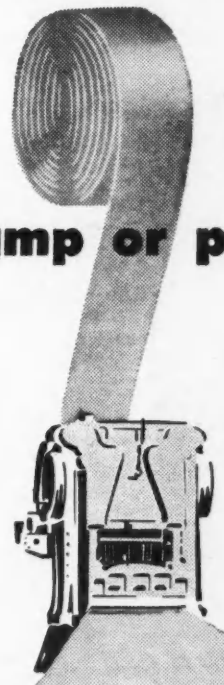
Borax, tech., powd., 99½%, bbls., c.l., works ton.67.25 - —
ton lots, ex whse., N. Y. or Chi ton.113.00 - —
less ton lots, same basis. ton.116.00 - —
bulk, c.l., works ton.38.25 - —

Borax packed in kgs. $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .161 - .221
l.c.l. same basis lb. .171 - .241
Borneol, cns. lb. 2.25 - 2.50
Borontrifluoride gas, cyls., truckload works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulphur).
Bromine, purified cs., c.l., frt. alld. E. of Rockies lb. .25 - —
1,000-lb lots, same basis lb. .27 - —
dms., lead-lined, dlvd lb. .25 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (see A).
Gold, litho, cns, dms, works, works lb. .75 - .85
moulding, cns, dms, works lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns, dms, works lb. .80 - .85
Broomtop, bls lb. .30 - .35
Brown, iron oxide, pure, bgs., c.l., works lb. .1275- —
l.c.l., works lb. .13 - —
Oxide, metallic, bgs., works lb. .0375- —
Sap, crystals, bgs., works lb. .12 - —
powdered, bgs. lb. .13 - —
Brown, Sienna, burnt, paper bags., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper, bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¼- —
l.c.l., works lb. .06½- —
raw, American, bgs., works lb. .06¼- .06½
Turkey type bgs., works lb. .06¼- .06½
Vandyke, bbls, works lb. .11 - —
Brucine, cns., 100-oz. lots oz. .25 - .35
Sulphate, NF, cns., 100-oz. lots oz. .20 - .30
Bryonia root, bls lb. .22 - .34
Buchu leaves, bls lb. .35 - .40
Buckthorn bark, bls lb. .13 - .17
cut and sifted, bls lb. .18 - .23
Berries, bgs lb. .80 - .90
Burdock root, bls lb. .22 - .26
Butadiene, cyls, refinery lb. .22 - —
tanks, same basis lb. .12½- —
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
synthetic, normal, dms., c.l., dlvd, E lb. .14¾- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
secondary, dms., c.l., dlvd, E. lb. .12½- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
Alcohol (see Alcohol butyl).
Butyl aldehyde, dms., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
tanks, dlvd lb. .20¾- —
Chloride, dms., c.l., works lb. .37½- —
l.c.l., works lb. .38 - —
Ether (see Ether butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Laurate, dms., works lb. .39 - —
Methacrylate normal, dms., less truckloads works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate, dms lb 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms, l.c.l., frt. equald lb. .24 - .27¼
Butylamine (see Mono-, Di- or Tri-).
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb 3.56 - 6.75
Metal, ingots or sticks, cs., dlvd lb. 2.00 - —
Stearate, 50-lb. ctns., l.c.l., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 3.30 - —
anhydrous, dms. lb. 3.50 - —
synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.30 - —
anhydrous, dms., 100 lbs. or more lb 3.50 - —
Citrated, USP, dms., 100 lbs or more lb. 2.35 - —
Calamine, USP, dms lb. .34 - —



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Calamus Root—Charcoal, Hardwood

Calamus root, dom., natural, bgs.lb. .25 - .30
imported, bleached, bls lb. .70 Nom.
stripped, bls lb. .30 - .40
Calciferol, cryst., vials, 1 kilo lots, works gram. .80 - —
25 to 100 gram lots, works, gram. .90 - .95
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit 05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate dealers, dms., c.l., whse. works, frt., alld. on 96 lbs. or over lb. .09 - .10
l.c.l., same basis lb. .10 - .11
Bromide, NF, jars lb. .90 - .92
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.25.00 - —
liquor, 40%, tankcars, works, frt. alld ton.10.50 - —
pellets, bgs., c.l. works ton.31.25 - —
powder, bgs., c.l., works ton.35.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 -69.00
USP gran, bbls lb. .30 —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide dms. dlvd E. of Rockies, lb. .24 - .50
Gluconate, AA, bbls., dms lb. .65 - .74
USP, bbls., dms lb. .58 - .67

Calcium glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works lb. 2.20 - 4.00
Hydrochlorite, high test, cns., cased (45 lbs.) dlvd. E. of Rockies cs.21.00 -23.00
100-lb. lots, same basis dm.25.25 -29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.32 - —
Lactate, USP dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mangenate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .25¾- —
Nitrate, tech., bbls., works lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton.49.25 - —
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Phenolsulphonate, dms lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. 100 lbs. 7.60 - 7.95
feed grade, bgs., c.l., works ton.90.00 - —
l.c.l., bgs., works ton.95.00 - —
monobasic, bgs., 10,000-lb. lots, works, frt. equald lb. .0625- —
smaller lots, same basis lb. .0675- —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.10 - —
l.c.l., works 100 lbs. 7.45 - —
Phytate, bgs., works lb. .28 - —

Calcium resinate, precip., dms., frt. alld., works lb. .27¾- —
Silicate, hydrated, bgs., c.l., works, lb. .06 - —
l.c.l., works lb. .06½- —
Stearate, ctns., c.l. lb. .35 - —
ton lots lb. .36 - —
less ton lots lb. .37 - —
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent steel pails, 100 lb. to 999 lb. lots, works lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.65 - 3.75
Calendula flowers, bls lb. .50 - .65
Calomel, USP powd. dms lb. 4.02 - 4.05
Camphene, 46° m.p., dms., incl., c.l., works lb. .1930- —
l.c.l., same basis lb. .1980- .2115
tanks, same basis lb. .1660- —
Chlorinated 67-69% (see Toxaphene).
Camphor monobromated, NF, dms., kgs lb. 3.00 - 3.12
natural, USP, powd., 100-lb. lots, bbls lb. .50 - .52
tablets, 1-oz., ½-oz., cs lb. .63 - .65
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55½- —
smaller lots lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots lb. .57 - —
1,000-lb. lots lb. .58 - —
smaller lots lb. .59 - —
tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots lb. .91 - —
smaller lots lb. .92 - —
Canada balsam (see Fir balsam).
Canella alba bark bls lb. .25 - .33
Cantharides, Chinese, cs lb. 2.00 - 2.05
powd., bxs. lb. 2.25 - 2.30
Russian, bgs. lb. 4.00 - 4.05
powd., bxs. lb. 4.35 - 4.40

Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper, dms. lb. 4.25 - 5.75
from African pepper, dms. lb. 4.75 - 6.25
Caramel coloring, NF, bbls gal. 1.05 - 1.30
Caraway seed, Dutch, bgs lb. .09¼- .09½
Carbazole, 97%, bbls., ton lots, works lb. 1.25 - —
steel-dms., same basis lb. 1.20 - —
Carbinol, methylisobutyl, dms., c.l., dlvd lb. .15¼- —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. competitive points lb. .0700- —
l.c.l., same basis lb. .0800- —
5-gal. dms., c.l., same basis lb. .0950- —
l.c.l., same basis lb. .1050- —
tankcars, same basis lb. .0490- —
Dioxide, industrial, wholesale, cyl. lb. .08 - —
Tetrachloride, CP, dms., works lb. .1097- .1197
NF, chys lb. .17 - .18
tech., dms., c.l., E. of Rockies, frt. alld lb. .0847- —
W. of Rockies, f.o.b. stock-points lb. .0897- —
l.c.l., E. of Rockies, frt. alld. lb. .1047- —
W. of Rockies, f.o.b. stock-points lb. .1107- —
tanks, E. of Rockies, frt. alld. lb. .0772- —
W. of Rockies, f.o.b. stock-points lb. .0822- —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, cs lb. 3.65 - 4.00
medium, cs lb. 3.25 - 3.30
decorticated, Alleppey, cs lb. 2.10 Nom.
Guatemalan, cs lb. 2.10 - —
Mangalore type, cs lb. 2.10 Nom.
green, Alleppey, bgs lb. 1.70 - —
Ceylon, bgs lb. 1.70 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more, dvld lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, technical, 1,350,000 A units per gram, tins, works gm. .55 - —
in carrot oil, 5,000,000 to 8,000,000 A units, per lb., dms., works, million units. .18 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works, million units. .33 - —
Carvol, bots lb. 7.75 - 9.65
Cascara sagrada bark, bulk lb. .35 - .36
Casein, dom., acid-precip, standard, bgs., 10,000-lb. lots or more, ship't point lb. .28 - .32
premium bgs., 10,000-lb. lots or more, ship't point lb. .36½- .40
imported, Argentine, acid-precip., grd., 100-bg. lots or more, duty paid lb. .16¾- .17⅛
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J. lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls lb. .18 - .18½
longstick lb. .22 - .23
shortstick, bls lb. .19 - .20
China, Canton, Kwangsi rolls, select, cs lb. .40 - .45
broken, bls lb. .35 - .36
Honan, Yunnan, scraped, bls lb. .28 Nom.
unscraped, bls lb. .27½ Nom.
Saigon, broken, bls lb. .50 - .53
medium, bls lb. .55 - .56
thin, bls lb. .58 Nom.
Cassia buds, bgs lb. 1.65 - 1.70
Fistula, bskts lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports long ton.195.00 Nom.
Oil (see Oil, castor)
Pomace, bgs., c.l., works ton.37.25 - —
Castoreum, artificial, cns lb. 9.00 - 9.25
natural, cns lb. 7.00 -30.00
Catechol, CP, cryst., fib. dms., works lb. 2.17½- —
resublimed dms., works lb. 4.20½- —
Catnip leaves, southern, bls lb. .65 - .70
Celery seed, French, bgs lb. .36 - .36¼
Indian, bgs lb. .26½- .27
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., dlvd. lb. .40 - .45
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .52 - —
l.c.l., same basis lb. .53 - .59
molding, composition, translucent, metallic pearls, special black, dms., c.f., frt. alld. lb. .48 - —
l.c.l., same basis lb. .49 - .55
reprocessed black, dms., l.c.l., same basis lb. .43 - .49
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works lb. .64 - —
17% butyryl content, standard cartons, works lb. .54 - —
27% butyryl content, standard cartons, works lb. .64 - —
38% butyryl content, low viscosity, standard cartons, works lb. .68 - —
medium viscosity same basis lb. .54 - —
50% butyryl content, standard cartons, works lb. .63 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .64 - .71
reprocessed black, dms., l.c.l., same basis lb. .52 - .58
Triacetate, flake, ctns., works, frt. alld. on 100-lb. lots or more lb. .50 - —
Cerium hydrate, 74% CeO_2, fib. dms., 50-lb. lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 50-lb-lots or more lb. 1.60 - —
Oxalate, NF, bbls., bgs., works lb. No prices.
Oxide, optical grade, bgs., 50-lb. lots or more, works lb. 1.85 - 2.00
smaller lots, works lb. 1.90 - 2.10
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .0295- .035
l.c.l., ex whse lb. .0395- .05
paint, bgs., c.l., works ton.40.00 - —
papermakers, bgs., c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs lb. .90 - .95
Roman, cs lb. .80 - .90
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32⅛
smaller lots, works lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton.77.00 -88.00
granular, bgs., works ton.77.00 - —
pulk, c.l., works ton.70.40 - —

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Charcoal, pinewood, gran., powd., bgs., c.l., works, South. ton.43.50 - —
l.c.l., works, South ton.43.50 -53.50
lump bgs., c.l., works, South. ton.40.00 - —
l.c.l., works, South ton.50.00 -60.00
bulk, c.l., works, South ton.33.50 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0510- —
l.c.l., works lb. .0543- —
tanks, works lb. .0425- .0140
powd., 60% tannin, bgs., extra, c.l., works lb. .1092- —
l.c.l., works lb. .1165- —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots lb. 1.33 - —
100-lb. lots or less lb. 1.25 - 1.40
Chloramine T, NF, bbls, works lb. .75 - 1.00
Chlordane, agricultural, cms., pails, c.l., frt. alld lb. .65 - —
l.c.l., frt. alld lb. .66 - .73
refined, dms., c.l., frt. alld lb. .75 - —
l.c.l., frt. alld lb. .76 - .83
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .14 - —
l.c.l. lb. .14¾- —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .57 - —
125, 1,000 cps., ctns., c.l., works lb. .60 - —
l.c.l., works lb. .61 - .62
Chlorine, liquid, cyls., c.l. lb. .08¾- —
l.c.l., N. Y. stock points lb. .10¼- —
tanks, single units, works, frt. equald 100 lbs. 2.70 - —
W. of Rockies 100 lbs. 2.82½- —
multiple units, 3 cars, works, frt.equald 100 lbs. 3.20 - —
2 cars, same basis 100 lbs. 3.80 - —
1 car, same basis 100 lbs. 4.40 - —
Chloroform, tech., dms., c.i., dlvd. E lb. .18 - .182
l.c.l., same basis lb. .192 - .20
tanks, same basis lb. .17 - .171
USP, dms lb. .30 - .35
Chloro(4)-2-Toluidine, bbls lb. 1.38 - —
Chlorophyll oil, soluble, 4%, not fixed, tins, pails, works lb. 4.25 - —
copper fixed, 6½%, tins, pails, works lb. 4.25 - —
sodium-copper, dms., pails, aqueous sol., 4%, works. lb. 3.75 - —
8%, pails, dms., works. lb. 4.00 - 4.80
14%, dms., works lb. 8.90 - —
concentrated, dom., 50%, dms., works, basis 100% lb.56.50 -60.00
75%, dms., works, basis 100% lb.60.00 - —
90%-100%, dms., works, basis 100% lb.60.00 -67.00
imported, 60%, dms., basis 100% lb.60.00 - —
75%, dms, basis 100% lb.60.00 - —
90%, dms., basis 100% lb.60.00 - —
Chloropicrin, com'l, bots cyls., 180 lbs. frt alld lb .95 - —
100 lbs. same basis lb .97 - —
25 lbs., same basis lb 1.22 - —
Cholesterol, USP, 6b dms., 100-lb. lots lb. 8.25 - 9.50
Choline bitartrate 6b dms., frt. adjusted lb 1.70 - 1.95
Chloride (1b dms. same basis lb 1.70 - 1.95
Dihydrogen citrate, 6b dms., same basis lb 1.70 - 1.95
Chromium acetate powd. 72% Cr., bbls., works lb. No stocks.
solut., 7½% bbls. works lb. .08½ —
cbys., works lb. .10¼ —
8½%, bbls. works lb. .09 —
cbys. works lb. .10¾- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chromel).
Oxide (see Green, chromium oxide)
Oleate, solid, bbls lb. .49 - —
Trioxide, NF bots lb. .82 - .89
Yellow, (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 6.50 - 8.00
Cinchona bark, NF, red, broken, bgs lb. .28 - .30
yellow, broken, bgs lb. .28 - .30
Cinchonidine, cryst., cns 100 oz.-lots oz. .71 - .72
Sulphate, cns., 100 oz.-lots oz. .37 - .40½
Cinchonine, cryst., cns., 100 oz.-lots. oz. .52 - .57
Sulphate, NF, cns., 100 oz.-lots oz. .27 - .30½
Cinchophen, NF, heavy density, dms. frt adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb 3.50 - 3.85
Cinchophen-sodium dms. frt. adjusted lb 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic)
Aldehyde, NF cns. dms lb 1.05 - 1.30
Cinnamon, Ceylon, No. 2, bls lb. .25 - .25½
"0000" bgs lb. .36 - —
Citral, bots., cns lb. 3.20 - 3.75
Citronellal, bots., dms lb. 1.50 - 1.85
Citronellol, bots., dms lb. 1.75 - 2.20
Civet, artificial, bots lb 13.75 -15.00
natural, bots oz. 3.50 - 7.00
Clay, ball, dom., crushed, bulk, Tennessee ton 10.00 -12.00
airfloated, bgs. c.l., Tennessee, ton 19.50 - —
purified, bgs., c.l., Tennessee ton 20.50 - —
imported, lump, bulk, Atlantic port, long ton.27.00 -30.00
airfloated, bgs., c.l., Atlantic port, long ton.43.00 -45.00
pulverized, bgs., l.c.l., all ports ton.55.00 - —
97%, 200 mesh, bgs., c.l., Georgia ton.54.00 -56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works ton.11.50 -14.50
l.c.l., works ton.35.30 —
bulk, c.l., works ton 8.50 -11.50
200 mesh, bgs., c.l., works ton.13.50 -17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.20.00 -40.00
powd., bgs., c.l., ex dock net ton.50.00 —
l.c.l., ex whse net ton 60.00 -65.00
Clove, Madagascar, bls lb. 1.62 Nom.
Zanzibar, bls lb. 1.62 - 1.63
Clover tops, red, bgs lb .45 - .50
CMC, purified, high vis., (see Gum, cellulose).
standard low vis., bgs., 23,000 lbs. or over, works, frt alld lb. .60 - —
smaller lots, same basis lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - —
technical, high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd. E., 100% basis lb. .56 - —
2,000 to 20,000 lbs., dlvd. E. lb. .58 - —
less than 2,000 lbs., dlvd. E. lb. .62 - —
low vis., 80% purity, bgs., or 6lb. dms., 23,000 lbs. dlvd. E., basis 100% lb. .41 - —
less than 23,000 lbs. dlvd. E., basis 100% lb. .43 - —
62% purity, bgs., or 6lb. dms., c.l., dlvd. E., basis 100%, lb. .41 - —
l.c.l., dlvd. E., basis 100%. lb. .43 - —

CMC, tech., low-vis., 50% purity, bgs., c.l., dlvd. E. basis net weight lb. .34 - —
l.c.l., dlvd. E. lb. .36 - —
47½% purity, c.l., dlvd., E., basis 100% lb. .41 - —
l.c.l., dlvd. E. lb. .43 - —
36½% purity, bgs., c.l., dlvd. E., basis net weight lb. .13½- —
l.c.l., dlvd. E. lb. .20 - —

Prices for technical grades of CMC West of the Rocky Mountains are 1c. per pound less than delivered prices.

Coaltar, coal gas, water gas, crude, resale dms. c.l., ex-whse. gal. .24 - .275
l.c.l., ex-whse gal. .26 - .285
tanks, ex-whse gal. .14 - .154
refined, resale, dms., c.l., ex-whse gal. .25 - .28½
l.c.l., ex-whse gal. .27 - .29½
tanks, ex-whse gal. .15 - .16½
Cobalt acetate, 23.7% bbls., dlvd lb. 1.14¾- —
Carbonate, 48%, powd., bgs., dlvd lb. 1.92¼- —
Chloride, 24.2% Co., kgs., dlvd., lb. 1.10½- —
Hydrate, 60-61% Co., bbls., dlvd.lb. 2.52 - —
Linoleate, fused, 8½% Co., dms.lb. .64½- —
liquid, 6% Co. dms lb. .53¼- —
Metal, 97.99%, kgs., ex-whses lb. 2.40 - —
Naphthenate, liq., 6% Co., dms., lb. .42¾- —
Nitrate, 20.1% Co., bbls., dlvd lb. .99¼- —
Oxide, black, 70-71% Co., kgs lb. 1.76 - —
Phosphate, powdered, 32.1% Co., kgs., dlvd lb. 1.57¾- —
Resinate, fused, 3% Co., dms lb. .27 - —
Sulphate, cryst., 21% Co., dms., dlvd lb. .81¾- —
monohydrated, 33% Co., dms. dlvd lb. 1.23½- —

Cocaine, USP, cns., 100-oz. lots oz.15.00 - —
Hydrochloride, cns. 100-oz. lots oz.11.75 - —
Cochineal, USP, gray, ogs lb. .68 - .90
Cocillana bark, bgs lb. .16 - .17
Cocoa butter, bgs lb. .81 - —
Codeine, NF, cns. 100-oz. lots oz.13.25 - —
Hydrochloride, cns., 100-oz. lots.oz.11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz.10.25 - —
Sulphate, USP, cns., 100-oz. lots.oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .22 - .25
Blue, bls lb. .17 - .18
Colchicine, USP, bots., cns. oz.65.00 -70.00
Colchicum root, bls lb. .45 - .60
Seed, bgs lb. .80 - 1.10
Collodion, USP, dms lb. .32½- —
flexible, USP, dms lb. .34 - —
Colocynth pulp, bls lb. .30 - .35
Colombo root, bls. to arrive lb. .20 Nom.
Coltsfoot leaves, bgs lb. .25 - .30
Condurango bark, bgs lb. .17 - .18
Copaiba, balsam, cns., dms lb. .90 - 1.75
Copper acetate, bbls., c.l., works lb. .34¾- —
l.c.l., works lb. .35¾- —
Carbonate 55% bgs, works lb. .22 - .23½
Chloride, anhyd., bbls., works lb. .34½- —
crystals, bbls., works lb. .22¾- —
Cyanide, tech., bbls., over 1,000-lb lots or more lb. .613 - —
less than 1,000 lbs lb. .633 - —
Gluconate cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .36 - .36¼
Metal, electrolytic lb. .24½- .27½
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .23¾- —
Nitrate, tech., cryst., bbls., works. lb. .25¼- —

Copper oleate, solid, 9% Cu, dms., works lb. .45 - —
Oxide, black, bbls., works lb. .39 - .40
red, com'l, bbls., c.l., works lb. .43 - .45¼
l.c.l., works lb. .44 - .45½
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ Nom.
Quinolinolate, 6lb. dms lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, ton lots, works lb. .38½- .39½
less ton lots, works lb. .40½ —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.95 - 9.35
l.c.l. 100 lbs. 9.20 10.95
CP, cryst., gran., bbls., works lb. .1615- —
monohydrated, 35%, dms., c.l., works 100 lbs.14.95 -15.50
tribasic, dealers, bgs., c.l., works, frt. alld. 100-lbs.25.60 - —
l.c.l., works 100 lbs.27.10 - —
USP, gran., cryst., dms lb. .1615 2500
Undecylenate, dms. lb. 2.90 3.00
Copperas, gran. bgs., c.l., works ton.28.50 - —
l.c.l., dlvd. Metro area 100 lbs 3.00 - —
bbls., c.l., works ton.34.00 - —
bulk c.l. works ton.21.00 - —
Copra, Atlantic Gulf ports, c.i.f. ton.225.00 - —
Pacific ports, c.i.f ton.220.00 - —
Coriander seed, Argentine, bgs. lb. .13 - .13½
Czech, bgs lb. .07 - .07½
Moroccan, bgs lb. .05½- .06
Roumanian, bgs lb. .08 - .08¼
Corn sugar tanners, chipped, paper bgs., c.l. 60,000 lbs. min. 100 lbs. 7.31 - —
Syrup, 42°, dms., c.l. 100 lbs. 7.32 - —
l.c.l. 100 lbs. 7.47 - —
Cornsilk, bls lb. .12 - .14

Charcoal, Pinewood—Cornsilk

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We're clearing the tracks for more methanol. The $20,000,000 expansion program highballing along, at CSC's Sterlington Plant in Louisiana, means that much more methanol will be available to you as in '52. It also means that CSC will be one of the largest producers of CH_3OH in the world—and your logical basic source for this important chemical. Now's the time to flag us down. Don't miss the CSC methanol train. Contact Industrial Chemicals Department, Commercial Solvents Corporation, 260 Madison Avenue, New York 16, N. Y.

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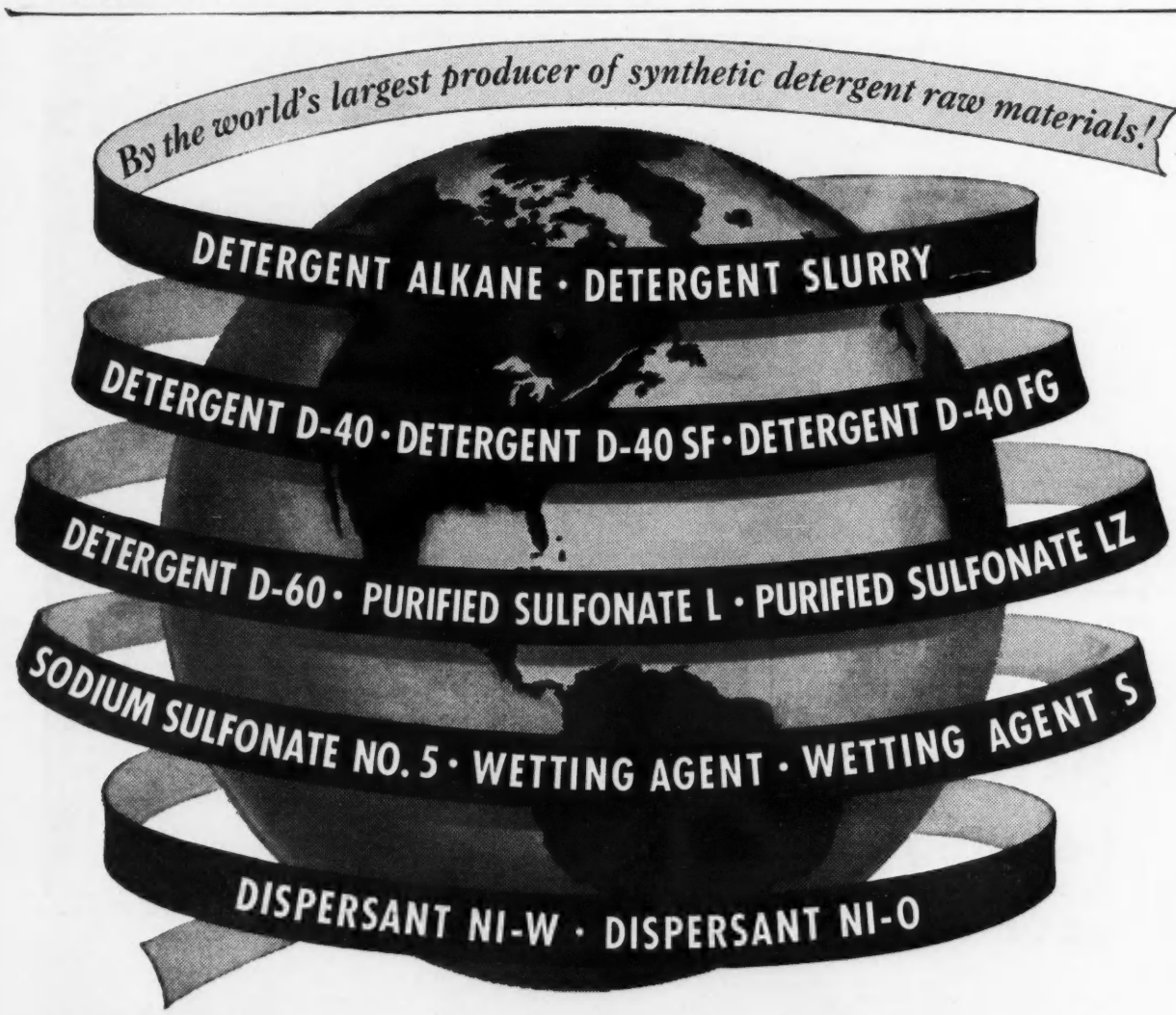
Corrosive Sublimate, NF—Di-iso-octyl Phthalate

Corrosive sublimate, NF, cryst., dms., 50-lb. lots or more lb. 3.68 - —
gran. powd., dms., 50-lb. lots or more lb. 3.53 - —
Cottonroot bark, bls lb. .24 - .25
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.50 - —
Meal, 41% protein, sacked, Memphis ton.78.00 -80.00
Coumarin, cryst., NF, cns lb 2.94 - 3.15
powd., cans lb. 3.20 - 3.25
Cramp bark, NF, bls lb .80 - .90
Craneshill root, bls lb. .40 - .41
Cream of tartar, NF, dom., gran. or powd., dms., c.l. lb. .32 - —
bbls., 5,000 lbs. one shipment lb. .32½- —
smaller lots, bbls., kgs. lb. .33 - .36
imported, kgs lb. .25 - —
Creosote carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar crude, tanks, works, frt. adjusted gal. .20 - .22
solution, 80%, tanks, works, gal. .188 - .2068
refined, dms., c.l., works gal. .35 - —
l.c.l. same basis gal. .41 - —
tanks, same basis gal. .27 - —
Wood, beechwood, cbys., dms. lb. 1.35 - 1.40
hardwood, bots., cbys lb. 1.05 - 1.10
pinewood, dms gal. .31 - .32
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt equald lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .1325- —
l.c.l., same basis lb. .1375- —
tanks, same basis lb. .120 - .1225
Cresol, USP, non-ret., dms., c.l., same basis lb. .143 - —
l.c.l., same basis lb. .146 - —
ret. dms., c.l., same basis lb. .140 - —
l.c.l., same basis lb. .145 - —
tanks, same basis lb. .130 - —
Crotonaldehyde, 91-93%, l.c.l., works lb. .24¼- .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs.10.50 - —
l.c.l., works 100 lbs.11.25 -11.50
Insecticide, dealers, bgs., c.l., dlvd 100 lbs.15.25 - —
l.c.l., dlvd. 100 lbs.16.25 - —
Cube root, powd., 5% rotenone, bgs., works lb. .21 - —
Cubeb berries, XX, NF, bgs lb. .50 - .51
powd., cs. lb. .58 - .59
Culvers root, bbls lb. .60 - .61
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .14¼- .14½
Moroccan, bgs lb. .22 Nom.
Syrian, bgs lb. .17 Nom.
Turkish, bgs lb. .14 - .14½
Cutch extract, 55% tannin bgs., ex dock, duty extra lb. .08¼- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract ton.62.50 - —
pulv., 21% N, bgs., works unit ton 2.90 - —
Cyclohexane, tech., 95%, dms., c.l., dlvd lb. .11 - —
l.c.l., dlvd. lb. .11¾- —
tanks, dlvd. lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works, frt. alld. E lb. .24¾- .37¾
l.c.l., works, same basis lb. .25¼- .38¼
tanks, works, same basis lb. .23¼- .36¼
Cyclohexanone, tech., dms., c.l. lb. .36¼- .30
l.c.l., works lb. .37 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works, lb. .41¼- —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Cyclopropane CP 2 lb. cycls, works cyl.48.00 - —
6 oz. cycls, works cyl.12.00 - —
USP, hospitals, cyls., 40 gal. lots, gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2, 4-D bbls., c.l., works, frt. equald. lb. .51 - —
l.c.l., same basis lb. .56 - .63
Isopropyl ester, dms., c.l., works, lb. .55 - —
l.c.l., works lb. .60 - .67
Damiana leaves, bls lb. .28 - .30
Dandelion root, bls lb. .45 - .50
DDD, tech., fine grd., fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
DDT, fiber dms., c.l., works, frt. equald lb. .23 - .26
smaller lots, same basis lb. .24 - .29
Decanol, normal, tech., dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Deertongue leaves, bls lb. .42 - .43
Defluorinated phosphate, 13% P. paper bgs., works ton.49.25 - —
18½% P, paper bgs., works ton.62.75 -63.75
Rock, 14½% P, paper bgs., works ton.50.00 - —

Degras, common, bbls lb. .11 - .12
crude, centrifugal, bbls lb. .18 - .20
neutral, less 2% ffa, bbls lb. .30¼- —
over 2% ffa., bbls lb. .30 - —
Derris root, 5% rotenone powd., bbls. lb. .32 Nom.
Desoxyepnedrine hydrochloride, dextro, bots lb.25.00 - —
dextro-laevo, bots lb 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N.Y. 100 lbs. 8.95 - —
l.c.l. 100 lbs. 9.10 - —
canary paper bgs, c.l. 100 lbs. 8.69 - —
l.c.l. 100 lbs. 8.84 - —
dark, paper bgs., c.l. 100 lbs. 8.79 - —
l.c.l. 100 lbs. 8.94 - —
white, paper bgs., c.l. 100 lbs. 8.53 - —
l.c.l. 100 lbs. 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs. lb. .10½- .11
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 4.60
laboratory grade, bots. 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Dianisidin, dms lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.52.00 -55.00
California ton.42.00 -45.00
l.c.l., ex whse ton.85.00 -90.00
purified, bgs., c.l., Atlantic coast ton.65.00 —
California ton.53.00 —
l.c.l., ex whse ton.95.00 -100.00
Atlantic coast ton.95.00 -100.00
imported, Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, CP, dms., c.l., works lb. .92 - —
l.c.l., works lb. .93¼- —
tanks, works lb. .91 - —
Dibutyl phthalate, dms., c.l., dlvd., E lb. .35¾- —
l.c.l., same basis lb. .36¾- —
tanks, same basis lb. .34 - .34½
Sebacate, CP, dms., c.l., works. lb. .81¾- —
l.c.l., works lb. .82¼- —
tanks, works lb. .80 - —
tech., dms., c.l., works lb. .90 - —
l.c.l. works lb. .91 - —
tanks, works lb. .88¼- —
Tartarate, dms., works, frt. alld. lb. .71 - —
Dibutylamine dms, c.l., dlvd lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .36¾- .38¾
l.c.l. dlvd lb. .37 - .39¾
tanks, dlvd lb. .35 - .37
Sebacate, dms., c.l., works lb. .68¼- —
l.c.l., works lb. .68¾- —
tanks, works lb. .66½- —
Dichloroaniiin, dms., works lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .46 - —
l.c.l., works lb. .46¾- —
tanks, works lb. .44½- —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .60 - —
l.c.l., same basis lb. .61 - —
Dieldrin, dms., frt. alld lb. 2.00 - —
l.c.l., frt. alld lb. 2.40 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .29¼- —
l.c.l., same basis lb. .30¼- —
tanks, same basis lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾- —
l.c.l., same basis lb. .47¾- —
tanks, same basis lb. .45 - —
Maleate, dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .48¼- —
tanks, dlvd lb. .48½- —
Oxalate, dms., c.l., frt. alld lb. .41¾- —
l.c.l. same basis lb. .42¾- —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .26¾- —
l.c.l., dlvd. lb. .27¾- —
tanks, dlvd. lb. .25 - —
Sulphate, dms., c.l., works lb. .18¾- —
l.c.l. works lb. .19¼- —
tanks, works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50¼- —
l.c.l., same basis lb. .51½- —
tanks, same basis lb. .48½- —
Diethylanilin dms lb. .48 —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Di-2-ethylhexyl phthalate (see Dioctyl phthalate).
Diethyleneglycol, dms., c.l., dlvd. E. lb. .20¼- —
l.c.l., same basis lb. .21¼- —
tanks, same basis lb. .18½- —
Boriborate, dms., l.c.l. lb. .30½- —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Monobutylether acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
Monoethylether, dms., c.l., dlvd. lb. .20¾- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Monoethylether acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
Monomethylether, dms., c.l., works lb. .24¾- —
l.c.l., works lb. .25¼- —
tanks, works lb. .23½- —
Diethylenetriamine dms., c.l., dlvd E. lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylethanolamine, dms., c.l., dlvd lb. .67½- —
l.c.l., same basis lb. .68½- —
tanks, same basis lb. .65¼- —
Diethylstilbestrol, USP, bots., 10-kilo lots. kilo.115.00 -150.00
1 kilo lot kilo.135.00 -150.00
Digitalis leaves, USP, dom., dms. lb. 1.05 - 1.10
Digitoxin, USP, bots gram. 6.50 - 8.00
Diglycol laurate, dms lb. .30½- .34
Oleate, dms lb. .28½- .29½
Stearate, dms lb. .25 - .26½
Dihexyl sebacate, dms., c.l., works. lb. .76½- —
l.c.l., works lb. .77½- —
tanks, works lb. .74¾- —
Dihydrazine sulphate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin, either hydrochloride or sulphate, bulk, gram. .15 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms. lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
tanks, dlvd lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .34¾- —
l.c.l. dlvd. E lb. .35¾- —
tanks, dlvd., E lb. .33 - —
Di-isobutylene, dms., c.l., works lb. .08¼- —
l.c.l., works lb. .10 - —
tanks, works lb. .07½- —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .38¾- —
l.c.l., same basis lb. .39¾- —
tanks, same basis lb. .37 - —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Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .49¾- —
t.c.l., same basis lb. .50¾- —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs lb. .13 - —
natural, bgs lb. .11 - .11½
Dimethyl anthranilate, cns lb. 5.50 - 5.90
Chloroacetal dms., c.l., works lb. .53 - —
t.c.l., works lb. .55 - —
tanks works lb. .51 - —
Hydroquinone, dms. lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd lb. .29¼- —
t.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27½- —
Sebacate, dms., c.l., works lb. 1.31¾- —
t.c.l., works lb. 1.32¾- —
tanks, works lb. 1.30 - —
Sulphate .85 gal. ret. dms., c.l., works lb. .15 - —
t.c.l. works lb. .16 - —
10-gal. ret dms., works lb. .16½- —
Dimethylamine 25-40%, dms., c.l., works, basis 100% lb. .37 - .38
t.c.l. works, basis 100% lb. .37½ - .38½
tanks, works, basis, 100% lb. .33 - —
Dimethylanilin, dms., c.l., frt. alld. lb. .26 - —
t.c.l., frt. alld lb. .27 - —
tanks, frt. allo lb. .25 - —
Dimethylethanolamine, anhydrous, dms., c.l., dlvd lb. 1.43 - —
t.c.l. dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
70%, dms., c.l., dlvd., basis 100% lb. .54 - —
t.c.l., dlvd. lb. .55 - —
tanks, dlvd lb. .52¼ - —
Dimethylformamide, dms., works lb. .37 - —
tanks, works lb. .34 - —
Dinitroaniln dms. frt equald lb. .57 - —
Dinitrobenzene crude, dms lb. .20 - —
purified, dms lb. .22 - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼- —
t.c.l. frt. alld E lb. .15¾- —
tanks, frt. alld E lb. .15 - —
Dinitrophenol obls lb. .34 - —
Dinitrotoluene oily dms. lb. .10 - —
refined, dms. lb. .21 - —
Dioctyl adipate, dms., c.l., works lb. .44¾- —
t.c.l. works lb. .45¾- —
tanks, works lb. .43 - —
Phthalate, dms., c.l., frt. alld lb. .38¾- .41¾
t.c.l. frt. alld lb. .39¾- .42¾
tanks, frt. alld lb. .37 - .40
Diorthotolylguanidin, dms., ton lots, dlvd lb. .54 - —
smaller lots, dlvd lb. .55 - —
Dioxane, dms., c.l. works lb. .28¾- —
t.c.l., same basis lb. .29¼- —
tanks, same basis lb. .27 - —
Dip oil (see tar acid oil).
Dipentaerythritol bgs., c.l., works, lb. .34 - —
t.c.l., works lb. .37 - —
Dipentene, dest-dist., dms., extra, c.l., works gal. .49 - —
t.c.l., works gal. .50 - —
whse gal. .68 - —
steam-dist., dms., c.l., works, South gal. .60 - —
t.c.l., works, South gal. .69 - —
dlvd, N. Y. lb. .83 - —
Diphenyl, bbls, c.l., works cp. .15 - —
t.c.l., works lb. .16 - —
Diphenyl, in bags ¼c. lower.
Oxide, perfume grade, cns lb. .54 - .65
Phthalate, dms., c.l., works lb. .51¾- —
t.c.l., same basis lb. .53¾- —
Diphenylamine, refined, gran., bbls., c.l., works lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .25 - —
Tech., tanks, works lb. .24 - —
Diphenylguanidin, dms., ton lots lb. .44½ - —
smaller lots lb. .45½ - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.30 - 5.60
Dipropyleneglycol, dms., c.l., frt. alld lb. .16¾- .17
t.c.l., same basis lb. .17¾- .18
tanks, same basis lb. .15 - —
Methylether, dms., c.l., dlvd. E lb. .20¾- —
t.c.l., same basis lb. .21¾- —
tanks, same basis lb. .19¼- —
Di-secondary-amylphenol, dms., c.l., works lb. .30¼- —
t.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
Di-tertiary-amylphenol, dms., c.l., works lb. .30¼- —
t.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
Di-tertiary butylmetacresol, dms., c.l., works lb. .31 - —
t.c.l. works lb. .32 - —
tanks, works lb. .30 - —
Di-tertiary butylparacresol, dms., c.l., works lb. .91 - —
t.c.l., works lb. .95 - —
Divi-divi, 45% tannin bgs., bls., c.l., U.S. ports, exdock ton. 70.00 - 72.00
Divinylbenzene 20-25%, dms., c.l., works lb. .20 - —
t.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, basis 100%, dms., c.l., works lb. 1.00 - —
t.c.l., works lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald lb. .14½- —
t.c.l., same basis lb. .15½- —
tanks, same basis lb. .12½- —
Doggrass root, dom. cut, bls lb. .26 - .28
imp., cut, bls lb. .28 - .35
Dogwood bark, Jamaica, bls lb. .11 - .13
Dragon's blood, mass, cs lb. 1.25 - 1.30
reeds, cs lb. 1.40 - 1.45

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb lots dlvd:—
Blue, FD&C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns lb. 17.00 - 17.60
Green, FD&C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns lb. 22.20 - 22.85
No. 3, cns lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns lb. 3.65 - 3.75
No. 2, cns lb. 4.65 - 4.75
Red, FD&C, No. 2, cns lb. 7.55 - 7.85
No. 2, cns lb. 4.00 - 4.10
No. 3, cns lb. 22.20 - 22.85
No. 4, cns lb. 7.20 - 7.50
No. 32, cns lb. 5.30 - 5.40
Violet, FD&C, No. 1, cns lb. 17.00 - 17.60
Yellow, FD&C, No. 1, cns lb. 10.50 - 11.05
No. 3, cns lb. 3.30 - 3.40
No. 4, cns lb. 3.30 - 3.40
No. 5, cns lb. 4.00 - 4.10
No. 6, cns lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—
Black, D&C, No. 1, cns lb. 10.95 - —
Blue, D&C, No. 9, cns lb. 16.10 - —
Brown, D&C, No. 1, cns lb. 16.10 - —
Green, D&C, No. 5, cns lb. 16.10 - —
No. 6, cns lb. 16.10 - —
No. 7, cns lb. 14.80 - —
Orange, D&C, No. 3, cns lb. 10.95 - —
No. 4, cns lb. 20.05 - —
No. 5, cns lb. 5.70 - —
No. 10, cns lb. 20.70 - —
Red, D&C, No. 8, cns lb. 2.85 - —
No. 9, cns lb. 2.85 - —
No. 10, cns lb. 2.30 - —
No. 11, cns lb. 1.85 - —
No. 12, cns lb. 2.65 - —
No. 17, cns lb. 10.95 - —
No. 18, cns lb. 24.00 - —
No. 19, cns lb. 15.45 - —
No. 21, cns lb. 3.60 - —
No. 22, cns lb. 10.95 - —
No. 28, cns lb. 24.65 - —
No. 33, cns lb. 17.45 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—
Violet, D&C, No. 2, cns lb. 16.10 - —
Yellow, D&C, No. 7, cns lb. 10.95 - —
No. 10, cns lb. 13.50 - —
No. 11, cns lb. 13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext., D&C, No. 1, cns lb. 16.10 - —
Green, Ext., D&C, No. 1, cns lb. 16.10 - —
Red, Ext., D&C, No. 1, cns lb. 13.50 - —
Yellow, Ext., D&C, No. 1 cns lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
20 Chrysoidine Y lb. .64 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange II extra conc lb. 1.06 - —
57 Fuchsine 6B lb. .93 - —
79 Scarlet 2R lb. .74 - —
151 Orange Y lb. .46 - —
161 Orange RR lb. .55 - —
176 Fast red A, conc lb. .90 - —
179 Azo rubine XX, conc lb. 1.04 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN conc lb. .93 - —
202 Chrome blue black, conc lb. .68 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —
234 Brown Y lb. .89 - —
246 Blue black, extra, conc lb. .86 - —
275 Milling red 3B, conc lb. 2.03 - —
289 Navy blue 3R, conc., 125% lb. 1.06 - —

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
299 Black B, conc lb. 1.40 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc lb. .86 - —
365 Brilliant yellow, conc lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, BHD lb. .63 - —
406 Blue 2B extra conc lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
448 Benzo purpurine 4B, conc lb. 1.18 - —
518 Diamine sky blue FF, extra, conc. lb. 1.50 - —
561 Trisulphon brown 8GW, conc lb. 2.03 - —
581 Direct black E, double lb. .89 - —
593 Direct Green paste lb. .65 - —
596 Yellow Brown K extra lb. .83 - —
620 Stilbene yellow G, conc lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine conc lb. 1.46 - —
655 Auramine conc lb. 1.85 - —
657 Victoria Green sml. cryst. lb. 1.70 - —
662 Brilliant green cryst lb. 2.79 - —
667 Brilliant milling green B, conc lb. 3.68 - —
671 Brilliant Blue, E lb. 1.70 - —
688 Formyl violet S4B lb. 1.58 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.58 - —
720 Chrome blue, BBG lb. 1.88 - —
729 Victoria blue, B, conc lb. 2.79 - —
749 Rhodamine B, extra lb. 4.33 - —
814 Fast, yellow, NNL, conc., 175% lb. 3.11 - —

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
841 Safranine T, extra, conc., 125% lb. 2.90 - —
865 Nigrosine, WSJ lb. .68 - —
922 Methylene blue, ZX lb. 1.55 - —
978 Sulphogene carbon, GXCF, grains lb. .32 - —
1034 Alizarin, red S, cnc lb. 2.59 - —
1054 Anthraquinone, blue, B lb. 2.91 - —
1078 Anthraquinone, green, G lb. 2.72 - —
1085 Alizarin, blue, black, B lb. 2.33 - —
1096 Indanthrene golden orange, GFD, single paste lb. 2.00 - —
1099 Indanthrene, dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green N, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue BLNS double paste lb. 1.96 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
1171 Indigo, synthetic, 20% paste, lb. .28 - —
double paste lb. 3.35 - —
1217 Sulphanthrene orange R, single paste lb. 1.65 - —
p-4 Acid anthracene, brown, PGN, lb. 2.30 - —
p-14 Anthracene chromate brown, 2B lb. 1.31 - —
p-24 Benzo fast black L lb. 1.45 - —
p-80 Diazo brilliant scarlet ROA, lb. 2.79 - —
p-202 Diazo black VJ, conc lb. 1.58 - —

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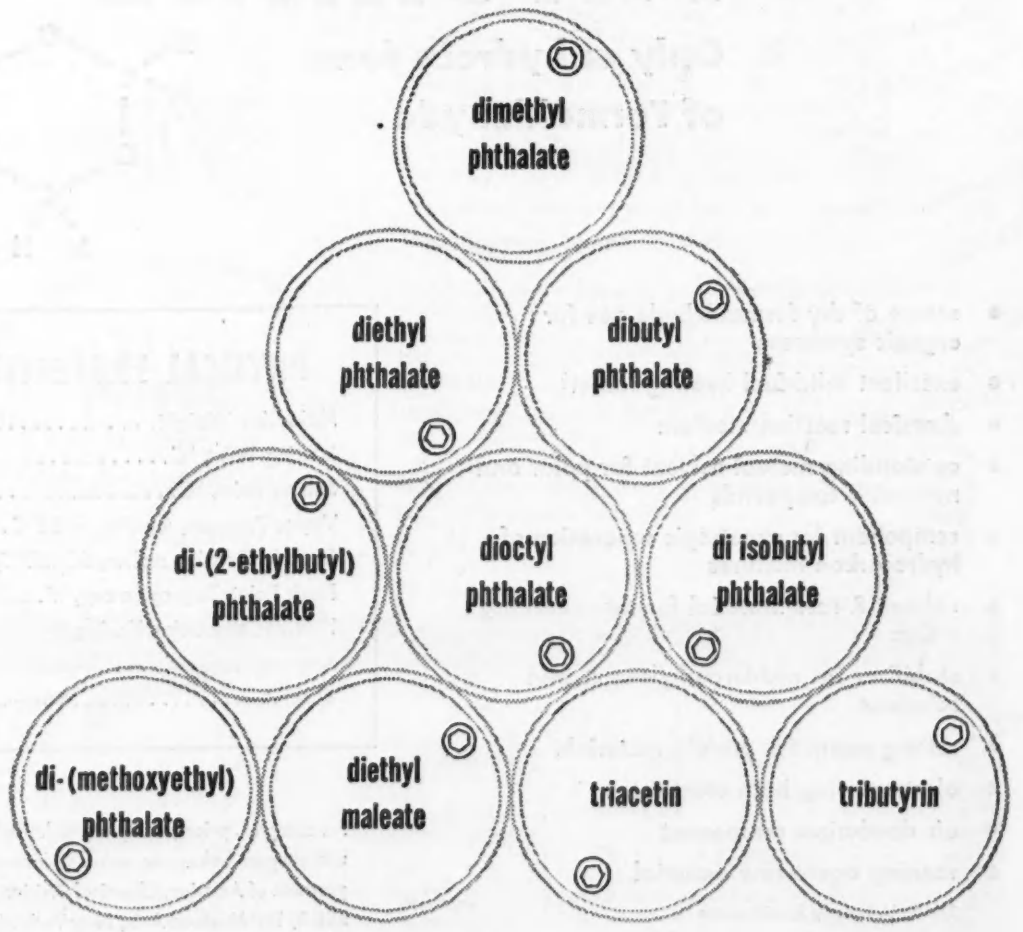

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Dyes, Coaltar, General Use, No. P-313—Fishberries

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.

p-313 Naphthol AS-SW	lb.	2.42	—
p-244 Celliton scarlet B	lb.	1.31	—
1078 Anthraquinone green G	lb	2.72	—
1085 Alizarin blue black B	lb	2.33	—

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550	lb.	.81	—
Jet, No. 551	lb.	.89	—
Brown R, conc.	lb.	1.72	—
Orange R, brilliant	lb.	.90	—
Red 4 B, conc.	lb	1.37	—
Yellow C	lb.	1.18	—
FN, conc.	lb.	1.22	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms. sellers works:—

Auramine O	lb	1.85	—
Black, basic blue	lb	1.21	—
Jet	lb	1.21	—
Blue, methylene, 2 B, conc.	lb.	1.55	—
Brown, Bismarck, R, conc	lb.	.86	—
Chrysodine, R, extra	lb	.60	—
Y, extra	lb.	.64	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—

Fuchsine conc	lb	1.68	—
Green, malachite, conc.	lb	2.10	—
Rhodamine B	lb	4.33	—
Safranine, Y, conc.	lb	2.90	—
Violet, methyl, B	lb.	1.10	—

Dyes, coaltar, for stains, water-soluble, 100-lb dms. sellers' works:

Azo rubine R extra, conc	lb.	1.04	—
Black, acid blue B, extra	lb.	.86	—
Fast light, 3 G, extra	lb.	2.04	—
Methanil, conc	lb.	.91	—
Orange Acid, Y, conc	lb.	.47	—
Scarlet cryscine MOO	lb.	1.45	—
Yellow azo, conc	lb.	.90	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.90	Nom.
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.06	- 1.08
Chinese, spot, bbls., duty paid	lb.	No stocks.	
tanners bbls	lb.	.06	- .06½
Elder flowers, bright, bls	lb.	.39	- .40
Elecampane root, bls	lb.	.23	- .25
Elm bark, grinding, bls	lb.	.28	- .29
powd., bbls., bxs	lb.	.46	- .47
select, bundles	lb.	.60	- .61
Emetine hydrochloride, USP, bots.,	oz.	35.00	-42.85
Ephedrine, synthetic, USP, anhydrous bots., 100-oz. lots	oz.	.98	- 1.00
hydrous, bots., 100-oz. lots	oz.	.92	- —
Hydrochloride, tin, 100-oz. lots	oz.	.75	- —
Sulphate cryst., tins, 100-oz. lots	oz.	.72	- —
powd., tins, 100-oz. lots	oz.	.73	- —
Epichlorohydrin, dms., c.l., works	lb.	.35¾-	—
l.c.l., works	lb.	.39¼-	—
tanks, works	lb.	.37	- —
Epinephrine, synth., USP, bots., 100 grams	gram.	.45	- .55
Epsom salt, tech., bgs., c.l., works, 100 lbs.	100 lbs.	2.15	- —
l.c.l., works	100 lbs.	2.90	- 5.15
USP, cryst., bgs., c.l., works, 100 lbs.	100 lbs.	2.35	- —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	- —
smaller lots	100 lbs.	3.35	- —
Ergosterol, unirradiated, cryst.	kilo	150.00	- —
Ergot, NF, dms., tin-lined	lb.	2.50	- 3.10
Eserine, bots	oz.	45.00	-50.00
Salicylate USP bots	oz.	32.50	-34.00
Sulphate, bots	oz.	34.50	-35.50
Ether acetate (see Ethyl acetate).			
Butyl, dms., c.l., works	lb.	.31½-	—
l.c.l., works	lb.	.32	- —
tanks, works	lb.	.30	- —
Butyric (see Ethyl butyrate).			
Dichloroethyl refd., dlvd. dms., c.l., E	lb.	.14	- .14½
l.c.l., same basis	lb.	.15	- .16
tanks, same basis	lb.	.13	- —
technical, dms., c.l., works	lb.	.13	- —
l.c.l., works	lb.	.13½-	—
tanks, works	lb.	.12	- —
Ethyl, absolute, ACS, dms	lb.	.37	- —
anesthesia, USP, hospitals, 1-lb. cns	lb.	.89	- —
½-lb cns	lb.	.97	- —
¼-lb cns	lb.	1.05	- —
solvent, USP, dms., c.l., dlvd.	lb.	.15¾-	—
l.c.l., same basis	lb.	.16¾-	—
tanks, same basis	lb.	.13¾-	—
synthetic, dms., c.l., dlvd. E	lb.	.1575-	—
l.c.l., same basis	lb.	.1675-	—
tanks, same basis	lb.	.1375-	—
Ether, isopropyl, dms., c.l., dlvd.	lb.	.0675-	.0850
l.c.l., dlvd.	lb.	.0750-	0936
tanks, dlvd	lb.	.05	- .075
Nitrous, conc., bots., 100-lb. lots	lb.	1.28	- 1.35
Vinyl, USP, anesthesia, bots. 50 cc, hospitals	bot.	1.12	- —
75 cc. hospitals	bot.	1.56	- —
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld.	lb.	.12¾-	—
l.c.l., frt. alld	lb.	.13¾-	—
tanks, frt. alld	lb.	.11	- —
95-98%, dms., c.l., frt. alld.	lb.	.13	- —
l.c.l., frt. alld	lb.	.13¾-	—
tanks, frt. alld	lb.	.11¼-	—
99%, dms., c.l., frt. alld	lb.	.13¼-	—
l.c.l., frt. alld	lb.	14	- —
tanks, frt alld	lb.	.11½-	—
NF, dms., frt, alld	lb.	.24	- .25
synthetic, 85-90%, dms., c.l., dlvd.	lb.	.12¾-	—
l.c.l., dlvd	lb.	.13½-	—
tanks, dlvd	lb.	.11	- —
95-98%, dms., c.l., dlvd	lb.	.13	- —
l.c.l., dlvd	lb.	.13¾-	—
tanks, dlvd	lb.	.11¼-	—
99%, dms., c.l., dlvd	lb.	.13¼-	—
l.c.l., dlvd	lb.	.14	- —
tanks, dlvd	lb.	.11½-	—
Acetoacetate, dms., c.l., dlvd	lb.	.55	- —
l.c.l., dlvd	lb.	.56½-	—
Acrylate dms., c.l., and truck load, works	lb.	.49	- —
less than truckload, works	lb.	.49½-	—
tanks, works	lb.	.48	- —
Aminobenzate, USP (see Benzocaine)			
Benzoate, cns., dms	lb.	.74	- 90
Bromide, tech., 98%, dms	lb.	.43	- .47
Butyrate, works	lb.	.80	- 1.02
Carbamate (see Urethane).			
Chloride tech, dms, c.l., works	lb.	.18	- .20
cyls, c.l., same basis	lb	.20	- .22
tanks same basis	lb	10	- —
USP bbls, cyls	lb	22	- 24
Cinnamate, cns	lb.	2.28	- 2.53
Formate, dms	lb	.60	- —
Gallate, dms., 100 to 2,000-lb. lots	lb	3.90	- 4.40
Iodide bots., works	lb	4.13	- —
Lactate, dms., works	lb.	.47½-	—
Methacrylate dms., c.l., and truckload works	lb.	.50	- —
less than truckload works	lb	.50½-	—
Nitrite (see Ether nitrous).			
Oenanthate dms	lb.	1.00	- 1.50
Oleate, dms., l.c.l., works	lb.	No prices.	
Oxalate (see Diethyl oxalate).			
Silicate dist. (see Tetraethylorthosilicate), 40% available SiO dms. works,	lb.	.60½-	—
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine)			
Ethylamine (see Mono-, Di-, or Tri-)			
Ethylaniline (see Monoethylaniline)			
Ethylbenzene, 99%, dms., c.l	lb.	.14	- .20¼
l.c.l.	lb.	.15	- .21¼
tanks	lb.	.13	- .18½
Ethylbutyl ketone, dms., c.l., works,	lb.	.33½-	—
l.c.l., works	lb.	.34	- —
tanks	lb.	.32	- —
Ethylcellulose, vis. 7 cps., bgs., 5,000 lb. lots or more, works	lb.	.70	- —
smaller lots, works	lb.	.72	- .80
vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, works	lb.	.65	- —
smaller lots	lb.	.67	- .75
Ethylene dichloride, dms., c.l., dlvd. E	lb.	.11¾-	—
l.c.l., same basis	lb.	.12¾-	—
tanks, same basis	lb.	.10	- —
Ethylene dichloride prices W. of Rockies, 1c per lb higher.			
Ethylene oxide, cyls., c.l., works	lb.	.26	- —
l.c.l. works	lb.	.27	- —
tanks, dlvd E	lb.	.19	- —
Trichloride (see Trichloroethane).			
Ethylenediamine, 85-88%, basis 100% dms., c.l., dlvd. E	lb.	.46	- —
l.c.l., dlvd. E	lb.	.47	- —
tanks, dlvd. E	lb.	.44	- —
Ethyleneglycol, dms., c.l., dlvd. E	lb.	.18¾-	—
l.c.l. same basis	lb.	.19¾-	—
tanks, same basis	lb.	.17	- —
Monobutylether, dms., c.l., dlvd. E	lb.	.21½-	—
l.c.l., dlvd. E	lb.	.22½-	—
tanks, dlvd E	lb.	.20	- —
Monoethylether, dms., c.l., dlvd. E	lb.	.20	- —
l.c.l., dlvd. E	lb.	.21	- —
tanks, dlvd. E	lb.	.18½-	—
dlvd. E	lb.	.18¼-	—
l.c.l., dlvd. E	lb.	.19¼-	—
tanks, dlvd. E	lb.	.16½-	—
Monoethylether, dms., c.l., dlvd. E	lb.	.21½-	—
l.c.l., dlvd. E	lb.	.22½-	—
tanks, dlvd. E	lb.	.20	- —
Monomethylether acetate, dms., c.l., dlvd. E	lb.	.28¾-	—
l.c.l., dlvd. E	lb.	.29¼-	—
tanks, dlvd. E	lb.	.27	- —
Monostearate, dms	lb.	.30	- .37
Ethylethanolamines, mixed, dms., c.l., frt alld., E. Miss	lb.	.42	- —
l.c.l. same basis	lb.	.43	- —
tanks, same basis	lb.	.40	- —
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	- —
Ethylorthotoluidin (see Monoethylorthotoluidin).			
Ethylvanillin, cns., 25-lb. lots	lb.	6.75	- 7.30
smaller lots	lb.	7.35	- 7.40
Eucalyptol, USP, cns., dms	lb.	1.45	- 1.70
Eucalyptus leaves, bls	lb.	.10	- .11
Eugenol, pure, USP, bots	lb.	2.25	- 3.10
Euphorbia herb, bls	lb.	.12	- .14

F

Feldspar, enamel, 100 mesh, bgs., works	ton.	20.00	-22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	-12.50
Pottery, bgs., ton lots, works	ton.	20.00	-22.00
bulk, c.l., works	ton.	18.00	-20.00
Fennel seed, Czech, dark, bgs	lb.	.17½-	.18
French, bgs.	lb.	.34	- —
Syrian, light, bgs	lb.	.32	- —
Fenugreek seed, Moroccan, bgs.	lb.	.06¾-	—
Ferric-ammonium citrate (see Iron ammonium citrate).			
Ferric cacodylate (see Iron cacodylate).			
Ferric glycerophosphate (see Iron glycerophosphate).			
Ferric hypophosphite (see Iron hypophosphite).			
Ferric sulphate (see Iron sulphate ferric).			
Ferrous gluconate, NF, dms	lb.	.88	- .97
Fir balsam, Canada, cns	gal.	31.00	-32.00
Oregon, bbls	gal.	2.85	Nom.
Fishberries, bgs	lb.	.17	- .21

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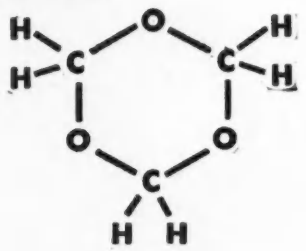

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- stabilizer for trichloroethylene & zein solutions
- setting agent for protein materials
- electroplating bath constituent
- air deodorizer component
- tanning agent raw material

†Meets U. S. Army Specifications

PHYSICAL PROPERTIES

Molecular Weight	90.08
Melting Point, °C	62
Boiling Point, °C	115
Vapor Pressure, mm Hg. @ 25°C	13
Specific Gravity, molten, 65/20°C	1.17
Flash Point, Tag open cup, °F	113
Heat of Combustion, Kcal/g. @ 23°C	3.96
Appearance	Colorless crystals
Odor	Ether-alcohol

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Fishliver oil (see Oil, fishliver).
Fishmeal ground, domestic, 60% protein, bulk, Balto area ..ton.135.60 - —
Fishscrap, dried 60% protein, bulk, Balto area ton.129.60 - —
Fluorspar, dom., acid grade, bulk, c.l., mine ton.60.00 - —
ceramic grade, 93-96% CaF_2, grd., bulk, mine, c.l. ton.57.50 - —
85-92% CaF_2, grd., bulk, mine, ton.47.00 - —
metallurgical grade, briquetts, pellets, 65%, CaF_2, bulk, works ton.34.00 - —
lump, 59-65% effective CaF_2, bulk, mine, c.l. ton.40.00 - —
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l. ton.40.00 - —
60-65% effective CaF_2, bulk, mine ton.40.00 -41.00
65-70% effective CaF_2, bulk, mine, c.l. ton.42.00 - —
70% or better, effective CaF_2, bulk, mine, c.l. ton.43.00 - —
imported, bulk, ex dock, New York ..ton.37.00 Nom.
Formaldehyde, NF (inhibited), dms., c.l., E. works..lb. .036 - —
l.c.l., E. works.....lb. .071 - —
tanks, E. works.....lb. .0420- —
methanol-free (uninhibited), tanks, works lb. .0395- —
Tankcar and tankwagon prices above are on a delivered basis in New England Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.
Fleaseed (see Psyllium seed).
Fringetree bark, bls.....lb. .60 - .61

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines ton.38.50 - —
fllinois mines .....ton.37.20 - —
spent, bulk, Bayonne....ton 2.00 - 4.00
imported, bgs., c.l. .....ton.30.00 -40.00
Furfural, tech., dms., c.l., works.lb. .13 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd lb. .16¾- .17¼
l.c.l., dlvd.....lb. .17½- .18
tanks, dlvd.....lb. .15 - .15½
Fustic extract, crystal., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l .....lb. .45½- —
No. 3, bbls., l.c.l .....lb. .43½- —
liquid, No. 1, bbls., l.c.l....lb. .22½- —
No. 2, bbls., l.c.l.....lb. .21½- —
No. 3, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .45 - —

G

G salt, bbls., frt. alld.....lb. .73 - —
Galangal root, bls .....lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works..lb. No stocks.
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks gal. .1285- .138
Group 3, 82 octane, tanks gal. .10375- .1062
Gulf coast, 82 octane, tanks gal. .1125- .1150
Penn., western U. S. motor, 86 octane, tanks gal. .1275- .129
natural, group 3, 26-70 octane, tanks gal. .09875- —
Gelatin, edible pure, (pork skin), 75 Bloom test, c.l....lb. .57 - —
150 Bloom test, c.l. .....lb. .65 - .66
200 Bloom test, c.l.....lb. .71 - .72
225 Bloom test, c.l. .....lb. .74 - .75
275 Bloom test, c.l.....lb. .82 - .85
silver label, imp., cs.....lb. 1.25 - —
Geisemium root, bls .....lb. .26 - .27
Gentian root, bls .....lb. .17 - .18
grd., bbls., bxs .....lb. .22 - .23
powd., bbls. bxs .....lb. .23 - .24
Geraniol, extra, cns., dms.....lb. 1.40 - 1.70
standard, cns., dms.....lb. .60 - .75
Geranyl acetate, cns .....lb. 1.30 - 1.80
Ginger, oleoresin, NF, from African roots, bots lb. 4.00 - 7.75
from Jamaican root, bls.. lb. 5.00 -12.75
Root, African, bls.....lb. .12 - —
Cochin, unbleached, bgs.....lb. .18½- —
Jamaica No. 1, bgs .....lb. .24 - —
No. 2, bgs.....lb. .17 - .17½
No. 3, bgs. .....lb. .14¾- —
Rhattoon, bgs. .....lb. .14 Nom.
Nigerian, split, bgs.....lb. .10 - —
Ginseng root, cs.....lb.16.50 -17.00
Glauber's salt, annyd (see Sodium sulphate)
Glue, bone, extracted, 55 jellygrams, bgs., c.l., dlvd lb. .24½- —
86 jellygrams, same basis lb. .25 - —
104 jellygrams, same basis lb. .25½- —
131 jellygrams, same basis lb. .26 - —
164 jellygrams, same basis lb. .26½- —
191 jellygrams, same basis lb. .27 - —
222 jellygrams, same basis lb. .28 - —
packers' 40 jellygrams, bgs., c.l., dlvd..lb. .21½- —
65 jellygrams, same basis lb. .22½- —
86 jellygrams, same basis lb. .23 - —
115 jellygrams, same basis lb. .24 - —
135 jellygrams, same basis lb. .25 - —
164 jellygrams, same basis lb. .26 - —
185 jellygrams, same basis lb. .27 - —
renderers' 110 jellygrams, bgs., c.l., dlvd lb. .22 - —
150 jellygrams, same basis lb. .23 - —
190 jellygrams, same basis lb. .24 - —
bone glue l.c.l prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.s., dlvd lb. .26 - —
95-121, bgs., c.l., dlvd .....lb. .27½- .28
122-149, bgs., c.l., dlvd.....lb. .29 - .29½
150-177, bgs., c.l., dlvd.....lb. .30 - .31
178-206, bgs., c.l., dlvd.....lb. .31 - .32
207-236, bgs., c.l., dlvd.....lb. .32 - .33
237-266, bgs., c.l., dlvd.....lb. .33 - .34
267-296, bgs., c.l., dlvd.....lb. .34 - .35
299-330, bgs., c.l., dlvd.....lb. .35 - .36
331-362, bgs., c.l., dlvd.....lb. .36 - .37
363-394, bgs., c.l., dlvd.....lb. .37 - .38
395-427, bgs., c.l., dlvd.....lb. .38 - .39
428-460, bgs., c.l., dlvd.....lb. .40 - .41
461-494, bgs., c.l., dlvd.....lb. .41 - .43
495-529, bgs., c.l., dlvd.....lb. .42 .45
Hide glue l.c.l prices 1c. higher than c.l.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd..lb. .34 - —
soaplye, 80%, tanks, dlvd..lb. .31 - —
dynamite, dms., c.l., dlvd.....lb. .43¾- —
l.c.l., dlvd.....lb. .44¼- —
tanks, dlvd.....lb. .43¼- —
high gravity, dms., c.l., dlvd..lb. .44 - —
l.c.l., dlvd.....lb. .44½- —
tanks, dlvd .....lb. .43½- —
refined BP, 98%, dms., c.l., dlvd. lb. .45⅞- —
l.c.l., dlvd.....lb. .46⅜- —
tanks, dlvd.....lb. .45⅜- —
USP, CP, 95%, dms., c.l., dlvd. lb. .44½- —
l.c.l., dlvd.....lb. .45 - —
tanks, dlvd.....lb. .44 - —
yellow, distilled, dms., c.l., dlvd. lb. .43⅞- —
l.c.l., dlvd.....lb. .44⅜- —
tanks, dlvd. .....lb. .43⅜- —

Glycine, USP. (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l. works lb. .18½- —
l.c.l., works .....lb. .19 - —
tanks, works .....lb. .18 - —
Gold chloride, acid-brown, bots..oz.22.50 -23.00
acid-yellow, bots.....oz.20.00 -20.50
Golden seal root, NF, tested, bls., lb. 3.00 - 3.05
powd., bxs .....lb. 3.25 - 3.30
Grains of paradise, bgs.....lb. .34 Nom.
Graphite, amorph, powd., bgs., 6lb. dms., ex whse..lb. .05 - .09½
crystalline, 88-90% powd., bgs., 6lb. dms., ex whse.....lb. .19 - .21½
90-92%, powd., bgs., 6lb dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., 6lb dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., 6lb. dms., ex. whse lb. .29 - .31
No. 2 90-95%, bgs., 6lb dms., ex whse lb. .29 - .31
Grease, brown, tanks, dlvd.....lb. .03½- —
house .....lb. .03⅜- —
white, choice .....lb. .04½- —
yellow .....lb. .04 - —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 4.50 - —
tungstated, PTMA, kgs., works lb. 6.30 - —
Chrome, CP, dark, light, medium, blue content 5 to 30%, bbls., dlvd. N. of Tenn and N. C., E. of Miss., including St Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .37 - —
31-50%, bbls., same basis, lb. .37 - .38
50-60%, bbls., same basis, lb. .40 - —

Fishliver Oil—Gum, Dammar, Singapore

Green, chrome, reduced color, 25%, bbls., same basis..lb. .17 - .17¼
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., dms., c.l., frt. alld lb. .95 - 1.20
pure c.l., bgs., frt. alld .... lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA bbls., works lb. 4.50 - 5.50
Paris (see Paris green)
Phthalocyanin toner, bbls., works. lb. 4.40 - —
resinated, bbls .....lb. 4.00 - —
water dispersable, bbls....lb. 1.71 - —
Pigment B, kegs .....lb. 1.35 - —
Grindelia robusta herb, bls.....lb. .38 - .40
Guaiac resin, NF, cs .....lb. .55 - .60
ordinary, cs .....lb. .49 - .51
Guaiacol, cryst., tins .....lb. 1.90 - —
liquid, NF, bots., cbys.....lb. 2.15 - 2.20
Carbonate, dms .....lb. 3.15 - 3.20
Guarana, powd., cs .....lb. 2.00 - —
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs .....lb. .35 - .65
Arabic, amber sorts, bgs.....lb. .13½- .15
powdered, USP, bbls.....lb. .19 - .21
Asafetida (see A).
Asphaltum (see A).

Gum, benzoin, Sumatra, cs.....lb. .38 - .40
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld.... lb. .60 - —
smaller lots same basis lb. .62 - —
Copal, Congo, No. 1, bgs.....lb. .21 - .23
No. 2, bgs .....lb. .19 - .20
No. 3, bgs .....lb. .17½- .18½
Manila, loba B, bgs.....lb. No prices.
C, bgs .....lb. .27 - .32
CBB, bgs .....lb. .22 - 23
CNE, bgs. .....lb. No prices.
DBB, bgs. .....lb. .14 - .18
DK, bgs. .....lb. .13 - .15
dust, bgs. .....lb. .11 - .12½
soft, MA, bgs.....lb. .13 - .16
WS bgs .....lb. .27 - .35
Philippine, pale, chips, bgs....lb. .18 - .25
nubs bgs .....lb. .27 - .32
seeds bgs .....lb. .15 - .21
sorts bgs .....lb. .18 - .22
Pontianak, chips, bgs.....lb. .22 - .26
nubs, bgs .....lb. .36 - .40
Dammar, Batavia, A E bgs ..lb. .24 - .26
dust, bgs. .....lb. .14 - .16
E., bgs .....lb. .16 - .18
East India, batu, bold, bgs lb. .12 - .14
nubs and chips, bgs lb. .08 - .10
black, bold bgs.....lb. .14½- .16
unscraped bgs .....lb. .12 - .13
nubs and chips, bgs .....lb. .11 - .13
pale, chips bgs .....lb. .13 - .14
nubs, bgs. .....lb. .19 - .20
Singapore, No. 1, bgs.....lb. .35 - .38
No. 2, bgs .....lb. .29 - .32
No. 3, bgs. .....lb. .16 - .17
dust, bgs .....lb. .14 - .16
seeds, bgs. .....lb. .16 - .18

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Copper Linoleate
Copper Oleate
Copper Naphthenate
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Octoic Acid Driers
Lead-Cobalt-Zinc
Witall (Tall Oil) Driers
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Butyl Stearate
Dibutyl Adipate
Dibutyl Phthalate
Methylcyclohexyl Stearate
Lead Linoleate
Lead Oleate
Metallic Stearates
Aluminum Lithium
Barium Lithium Hydroxy
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Gum, Ester—Magnesium Trisilicate

Gum, ester, gum-rosin type, dms., c.l., dlvd. ill., Ind., Ky., Mich., Mid Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .14 - .14½
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc lb. .14 - —
Euphorbium, cs. lb. .55 - .60
Galbanum, cs lb. .75 - .80
Gamboge, pipe, cs lb. .90 - 1.00
powd., bbls lb. .90 - 1.20
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, NF, powd., No. 1, bbls lb. .30 - .35
No 2, bbls lb. .22 - .25
No 3, bbls lb. .19 - .22
Kauri, bgs. lb. .30 - .50
Kino, cs lb. 1.15 - 2.40
Locust bean, powd., bgs lb. .30 - .32
Mastic, cs lb. 2.00 - 2.10
Myrrh, cs lb. .30 - .35
Olibanum siftings, cs lb. .16 - .18
tears cs lb. .20 - .30
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks, lb 3.50 - 4.00
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Taiba, bgs lb .10 - .11
Tragacanth, No. 1, cs lb 2.85 - 2.90
No. 2, cs lb 2.45 - 2.50
No 3, cs lb. 1.60 - 1.70
powdered, USP, bbls lb 1.25 - 1.35
Yacca, bgs lb. .06 - —
Gypsum, anhydrous filler paper bgs., c.l., Medicine Lodge Kan ton.19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald ton.18.30 - —
Harlem river, N. Y., frt. equald ton.17.30 - —
Medicine Lodge, Kan., frt. equald ton.16.00 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Fort Dodge Iowa, frt equald. ton. 8.00 - —
Gypsum, Ohio, frt equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
New Brighton N. Y., frt. equald ton 8.00 - —
Plasterco, Ga., frt. equald. ton 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore ton.14.40 - —
Harlem River, N. Y ton.14.40 - —
Imported, English, paper bgs., ex dock ton.48.00 - —
ex warehouse ton.53.00 -56.00

H

Hawthorn berries, bgs lb. .30 - .32
Heliotropine, cryst., cns lb 3.10 - 3.45
Helonias root, bls lb. 1.65 - 1.70
Hellebore root dom., green, bls lb. 60 - .65
imp., black, whole, bls lb. .25 - .30
ground, bxs lb. .30 - .35
powder, bxs lb. 32 - .37
white, whole, bls lb. 25 - .30
powder, bxs lb. .35 - .45
Hematine extract, cryst. No. 1, bbls., l.c.l. lb 47 - —
No 2, bbls, l.c.l. lb 43 - —
No. 3, bbls., l.c.l. lb 41 - —
No. 4, bbls., l.c.l. lb .39 - —
No 5, bbls., l.c.l. lb 37 - —
paste, No 1, bbls., l.c.l. lb. 20½ - —
Henbane leaves, bls lb. .35 - .40
Henna leaves, bls lb .23 - .25
powd., bbls., bgs lb. .22 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .18 - —
group 3, tanks gal. .1375- .1405
Hesperidin methylchalcone, bots., works lb.50.00 - —
Hexachlorophene, dms lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech. bgs., 1,000-lb lots or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000-lb. lots, same basis lb. .242 - —
fib dms., 1,000-lb. lots or more, same basis lb. .239 - —
less than 1,000-lb. lots, same basis. lb. .249 - —
USP, dms., 500 lbs or more, same basis lb. 40½ - —
smaller lots, same basis lb. 41½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal. .18 - —
Group 3, tanks gal. .145 - .148
Hexanol, normal dms, c.l., works. lb. .34½ - —
t.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb 2.25 - 7.50
Salicylate, dms lb 1.75 - —
Hexylenegiycol, dms, c.l., dlvd lb. .15¾ - —
l.c.l., dlvd lb. .16½ - —
tanks, dlvd lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., dlvd., 50-lb lots or more fib 15.00 -16.00
smaller lots, dlvd lb.16.00 -17.00
Histamine diphosphate, USP, bots. kilo 456.00 - —
Histidine hydrochloride, laevo, NF, fib dms., 50-kilo lots, works. kilo.80.00 -85.00
1-5 kilo lots works kilo.90.00 -95.00
Homatropine hydrobromide, USP bots oz.13.75 -14.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, USP, bots oz.13.00 -14.50
Hoofmeal, 17 18% ammonia, bulk, c.l., Chicago, unit-ton. 6.75 - —
Hops, NF bls lb. .30 - .35
Horehound herb, bls lb. .14 - .15
Hydrangea root, bls lb. .22 - .25
Hydrastine, bots oz.29.50 -31.00
Hydrochloride, NF, bots oz.29.50 -31.00
Sulphate, bots oz.35.00 -37.00
Hydrastinine, 10 grain bots bot 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Niagara Falls, fib 4.50 - 5.25
Hydrate, 100% ret. dms., Niagara Falls fib 3.00 - 3.50
85% same basis fib 2.55 - 3.00
Hydrofuramide, dms., fib ctns., works lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyl., works lb. .55 - .60
Peroxide, USP, bbls, dlvd lb. .03¾- .05
35%, cbys., same basis lb. .217 - .242
dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .215 - .24
tanks lb. .203 - —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.
Hydroquinone, photogrd., bbls., dms. lb. .98 - 1.00
tech., dms., c.l., frt. equald lb. .77 - —
l.c.l., frt. equald lb. 78 - —
Hydroxycitronellal, cns lb. 5.35 - 5.50
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots oz.15.75 -16.00
Hydrobromide, bots oz.16.50 -18.00
Sulphate, bots oz.12.00 -13.50
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liquid, No. 1, bbls., l.c.l. lb. .35 - —
No. 2, bbls., l.c.l. lb. .27 - —
Hyssop herb, bgs lb. .35 - .36
Leaves, bgs lb. .50 - .51

I

Iceland moss, bgs lb. .30 - .35
Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red Indian)
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indol, CP, bots lb 17.00 -21.00
Inositol, dms., dlvd lb. 5.60 - —
tins, dlvd. lb. 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, ggs lb. 1.84 - 2.04
resublimed, USP, bots., jars lb 2.55 - 2.78
Iodochlorohydroxyquin, USP, dms. lb 6.90 - —
Iodoform, NF, dms., kgs lb 4.70 - 4.85
Ionone alpha, cns lb. 3.75 - 3.15
Beta, cns. lb. 4.30 -11.25
Methyl, dms., cns lb. 3.80 - 3.40
Ipecac root, bgs lb 5.25 - 5.50
powd., bbls., bxs lb. 6.00 - 6.25
Irish moss, bleached, prime, bls lb. .25 - .30
Iron acetate liquor, 25° bbls., c.l., works lb. .09 - —
l.c.l., works .09¾- —
solut., USP IX, cbys lb. .16 - —
djns lb 17 - —
Cacodylate, NF, bots lb.13.00 -14.00
Chloride (ferric), anhydr., tech., dms. c.l., works 100 lbs. 6.25 - —
l.c.l., works 100 lbs. 7.50 - —
cryst., indust., bbls., c.l., works 100 lbs. 5.25 - 6.25
l.c.l., works 100 lbs. 5.75 - 6.75
USP, dms., works lb. .07½ - .09
solut., 42° Be. basis 100%, cbys., c.l., works 100 lbs. 7.23 - 8.25
l.c.l., works 100 lbs. 7.75 -10.75
tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF (see Ferrous gluconate, NF).
Glycerophosphate, NF powd lb 4.45 - 4.55
Hypophosphite, NF, dms lb 2.80 - —
Iodide bgs. lb. 3.66 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .23¾- —
Oxalate, gran., dms lb. .85 - .87
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran. pearls dms lb. 73 - .81
Reduced, NF, kgs lb. .90 - .95
Resinate, 6.75% Fe, dms., frt. alld. lb. .26¼- —
Stearate, dms., c.l ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate, ferric, partially hydrated, bgs., c.l., works ton.30.00 - —
l.c.l., works ton.31.00 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, brown, N.F., gran., dms lb. .55 - .60
green, USP XII, gran., dms lb. .55 - .59
Oxalate, fine gran., dms lb. .25½- .28½
Iron-potassium, oxalate, fine gran., dms lb. .30½- .33½
Iron-sodium, oxalate, fine gran., dms lb. .25½- .28½
Isoborneol, cns lb. 1.25 - 1.70
Isobornyl acetate, cns lb. .60 - .75
Formate, dms. lb. .80 - —
Propionate, dms lb. 1.15 - 1.50
Isobutyl acetate, perfume grade, cns. lb. .75 - .97
solvent grade, dms., c.l., dlvd E. of Rockies lb. .13 - —
l.c.l., same basis lb. .13¾- —
tanks, same basis lb. .11¼- —
Methacrylate, dms, works lb. .60 - —
Isobutyraldehyde, dms., works lb. .50 - —
Isoeugenol, cns. lb. 3.65 - 3.95
Isoniazid, bulk, powder, 25-kilo lots or more kilo.34.00 -35.00
smaller lots kilo.35.00 -36.00
Isonicotinic acid hydrazide (see Isoniazid).
Isopentane, dms., works lb. .43 - .55
Isophorone, dms., c.l., works lb. .24¼- —
l.c.l., works lb. .24¾- —
tanks, works lb. .22½- —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., dlvd. lb. .11¾- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene)
Ether (see Ether, Isopropyl)
Isopropylamine (see Mono-, Di- or Tri-)
Isopropylphenol, dms., c.l., works lb. .46 - —
l.c.l., works lb. .47 - —
tanks, works lb. .45 - —
Isoquinoline, dms., works lb. .65 - 1.25

J

Jaborandi leaves, bls lb. .17 - .18
Jalap root, NF, bls lb. .45 - .55
powd., bbls., bxs lb. .50 - .60
Juniper berries, bgs lb. .13 - .15
Tar, NF, dms lb. .42 - .50

K

Kamala, powd., cns lb. .60 - .65
Kava Kava root, bls lb. .30 - .32
Kaolin (see also Clay, China).
NF, powd., fib. dms lb. .08 - .16½
colloidal, fib. dms lb. .15 - .15½
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks, gal. .0925- —
California, 40-43 s.g., w.w., tanks. gal. .120 - .130
Gulf ports, 41-43 s.g., w.w., tanks. gal. .0970- .1015
N. Y. Harbor, 43-44 s.g., w.w., tanks gal. .1075- —
Okla.-Tex., 41-43 s.g., w.w., tanks gal. .0975- .095
Penn, Western, 45 s.g., w.w., tanks gal. .1125- .1195
Kola nuts, bgs lb. .08 - .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse ton.95.00 -100.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Lady's slipper root, bls lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .35½- .40½
USP, anhydrous, dms., works lb. .33½- —
hydrous, dms., works lb. .32 - —
Lard, cash, trcs., Chicago lb. .08⅞- —
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bgs lb. .25 - .26
Leaves, Greek, bls lb. .09 - .09½
Portuguese, bls lb. .10 - .10½
Turkish, bls lb. .11½- .12
Yugoslavian, bls lb. .09 - .09½
Lauryl chloride, dms., works, frt. equald lb. .72 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls fb. .55 - .60
ordinary, bls lb. .16 - .20
select, bls lb. .90 - —
Lead acetate, white crystals, bbls. lb. .22 - —
gran., bbls lb. .23 - —
powd., bbls lb. .23 - —
NF cryst., gran., powd lb. .31 - .32
Arsenate, dealers, acid powder, frt. alld. on 96 lbs. or 3-lb. bgs. or larger, c.l., over lb. .27½- —
t.c.l., frt. alld. lb. .28½- —
1-lb bgs., c.l lb. .42½- —
t.c.l lb. .43½- —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .15½- —
l.c.l., works lb. .16½- —
Carbonate (see Lead, white).
Chloride, dms lb. .45 - —
Iodide, NF, V, jars lb. 3.82 - —
Linoleate, fused, 26.5% dms lb. .32½- —
Metal, pigs, prime, N. Y. lb. .1400- —
St. Louis lb. .1380- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .34¼- —
10,000-20,000 lbs., same basis. lb. .34¾- —
2,000-10,000 lbs., same basis. lb. .35¼- —
200-2,000 lbs., same basis. lb. .35¾- —
Prices ex whse, Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs., c.l. lb. .1510- —
l.c.l. lb. .1610- —
Naphthenate, liquid, 16% Pb. dms., dlvd lb. .17½- —
24% Pb, dms., dlvd lb. .23¾- —
solid, 37% Pb, dms., dlvd lb. .31 - —
Nitrate, bbls. lb. .22¼- —
Oleate, fused, bbls lb. .29¾- —
Orthosilicate gel, 50% PbO, dms., works lb. .32¾- —
60% PbO, dms, works lb. .31¾- —
Peroxide, powd., tech., bbls lb. .45 - .47
Phthalate, dibasic, dms., works, lb. .41 - —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .16¾- —
l.c.l., same basis lb. .17¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .18 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .17¼- —
l.c.l., same basis lb. .18¼- —
Resinate, precip., dms., dlvd lb. .28½- —
Salicylate, normal, dms, works, lb. .46 - —
Stearate, dibasic, ton lots lb. .54 - —
precip., bbls., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —
Sulphate (see Lead blue; Lead white; basic sulphate).
Tallate, liquid, 16% Pb dms lb. .15¼- —
24% Pb, dms lb. .20½- —
White, basic, carbonate, bgs., c.l., ship't point, frt. alld. lb. .17 - —
l.c.l., same basis lb. .18 - —
basic silicate, bgs. c.l., ship't point, frt. alld. lb. .15¾- .19
l.c.l., same basis lb. .16¾- .20
basic sulphate, bgs. c.l., ship't point, frt. alld. lb. .15½- —
l.c.l., same basis lb. .16½- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works. lb. .15½- .16
t.c.l., same basis lb. .16½- .19
unbleached c.l., same basis lb. .14½- .15
t.c.l., same basis lb. .16 - .18
Lemon peel, bls lb. .20 - .26
Leucine dextro-laevo, dms., works. lb 12.25 -15.00
Licorice extract, mass, cns lb. .21¼- .40
powd., bbls lb. .31¾- .50
Root, bls lb. .05½- .10
5-lb. bundles, cs lb. .50 - .55
powd., bbls lb. .13 - .13¼
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06¼
Lime, agricultural, bulk, works ton.14.50 - —
Chemical (quicklime) lump, pebble, bulk, Adams, Mass. ton.12.50 - —
Annville, Pa ton.11.50 - —
Austin, Texas ton. 9.50 - —
Bellefonte, Pa ton.11.50 - —
Buffalo, N. Y ton.14.00 - —
Cedar Hollow, Pa ton.11.50 - —
Duluth, Minn ton.12.50 - —
El Paso, Texas ton.14.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.12.50 - —
Hannibal, Mo ton.10.00 - —
Keystone, Ala ton.10.25 - —
Kimballton Va ton.10.25 - —
Knoxville, Tenn ton.10.50 - —
Lee, Mass ton.12.50 - —
Lewisburg, Ohio ton.10.00 - —
Limedale, Ark ton.10.00 - —
Los Angeles, Cal ton.25.10 -26.84
Marble Cliff, Ohio ton.10.00 - —
Martinsburg, W. Va ton.11.00 - —
Mosher, Mo ton.10.25 - —
Nelson, Ariz ton.14.50 -23.65
Quincy, Ill ton.10.00 -13.00
Reddick, Fla ton.13.50 - —
Scotrock, Ala ton.10.25 - —
Springfield, Mo ton.12.25 - —
Winooski, Vt ton.15.50 - —
Woodville, Ohio ton.11.50 - —
York, Pa ton.15.50 - —
Hydrated, paper bags, Adams, Mass ton.15.50 - —
Annville, Pa ton.14.50 - —
Austin, Texas ton.13.00 - —
Bellefonte, Pa ton.14.50 - —
Buffalo, N. Y ton.16.00 - —
Cedar Hollow, Pa ton.14.50 - —
Chicago, Ill ton.15.00 - —
Duluth, Minn ton.14.00 - —
El Paso, Texas ton.17.50 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Hannibal, Mo ton.12.00 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Knoxville, Tenn ton.13.00 - —
Lee, Mass ton.15.50 - —
Lewisburg, Ohio ton.14.00 - —
Limedale, Ark ton.12.00 - —
Marble Cliff, Ohio ton.13.50 - —
McNeil, Tex ton.13.00 - —
Lime, hydrated, paper bgs., Meneminee, Mich ton.14.00 - —
Mosher, Mo ton.12.50 - —
North Tazewell, Va ton.12.75 - —
Quincy, Ill ton.10.00 -12.00
Reddick, Fla ton.16.00 - —
Scotrock, Ala ton.13.50 - —
Springfield, Mo ton.12.25 - —
Winooski, Vt ton.15.50 - —
Woodville, Ohio ton.14.50 - —
York, Pa ton.14.50 - —
Spray, paper bgs., Adams, Mass. ton.17.00 - —
Annville, Pa ton.17.00 - —
Austin, Texas ton.13.00 - —
Bellefonte, Pa ton.17.50 - —
Carey, Ohio ton.11.00 - —
Duluth, Minn ton.15.00 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Lee, Mass ton.17.00 - —
Lewisburg, Ohio ton.16.00 - —
Marble Cliff, Ohio ton.16.00 - —
McNeil, Tex ton.16.00 - —
Meneminee, Mich ton.14.00 - —
Mosher, Mo ton.12.50 - —
North Tazewell, Va ton.12.75 - —
Reddick, Fla ton.16.00 - —
Rockland, Me ton.10.00 - —
Springfield, Mo ton.12.25 - —
Scotrock, Ala ton.13.50 - —
Winooski, Vt ton.17.00 - —
Woodville, Ohio ton.16.50 - —
York, Pa ton.15.50 - —
Lime salts (see Calcium).
Lime ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd. bgs. works ton. 3.50 - 4.00
Linalool, ex bois de rose, dms. lb. 5.35 - 5.90
ex lignaloe wood, dms lb. 6.75 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 5.45 - 5.95
96-98%, dms lb. 6.05 - 7.10
ex petitgrain, bots lb. 4.60 - 5.05
Lindane, 25% formulation, dealers, cns., works lb. 2.20 - —
dms., dealers, dms lb. 2.10 - —
99%, tech., dealers, dms., works. lb. 4.50 - 4.75
Linden flowers with leaves, bls lb. .34 - .35
without leaves, bls lb. .40 - .41
Linseed meal, expeller, 36% bulk, Midwest mills ton.79.00 -82.00
extracted, 36%, same basis ton.79.00 -82.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .15¾- —
l.c.l., same basis lb. .16¾- —
Lithium benzoate, dms lb. 1.65 - 1.67
Bromide, NF, bbls., works, frt. equald lb. 2.10 - 2.75
Carbonate, tech., dms lb. .80 - 1.10
Chloride, cryst., dms lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.85 - 2.00
Hydride, powd., dms., works lb.12.00 -14.00
Hydroxide, monohydrate, dms lb. .91 - 1.05
Salicylate, dms lb. 1.60 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .07½- —
t.c.l., dlvd lb. .08¼- .08¾
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
t.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .65 - .66
Lobelia herb, bls lb. .42 - .43
Leaves, NF lb. .73 - .76
Loheline sulphate, bots., works oz.33.00 -34.00
Logwood extract, crystals, No. 1, bbls., l.c.l lb. .41 - —
No. 2, bbls., l.c.l lb. .39 - —
liquid, No. 1, bbls., l.c.l lb. .20 - —
No. 2, bbls., l.c.l lb. .19 - —
No. 3, bbls., l.c.l lb. .18½- —
solid, No. 1 lb. .35 - —
Lovage root, imported, bls lb. .65 - .75
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.70 - 1.75
Lysine hydrochloride, dextro-laevo, bots kilo.145.00 -149.00

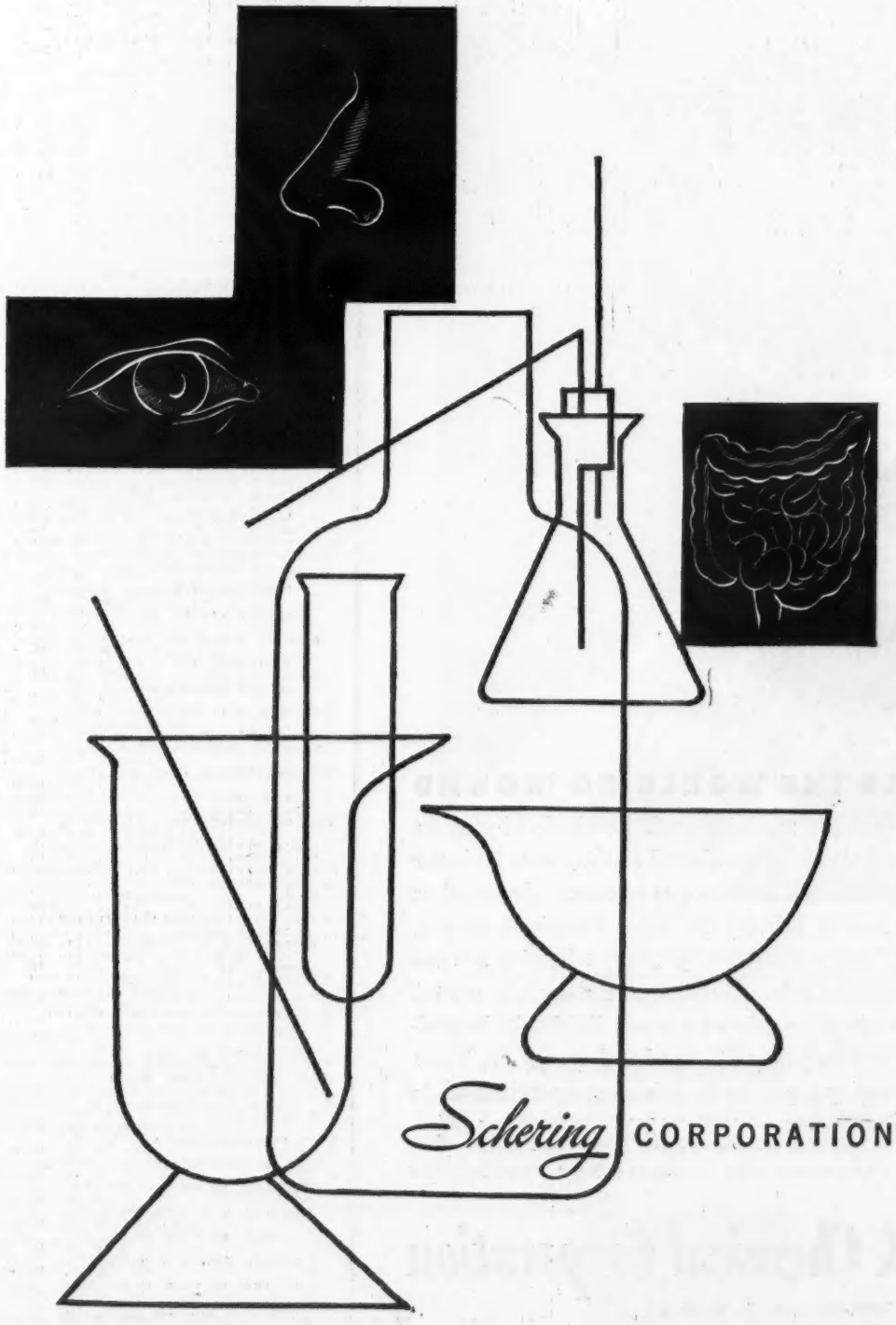
M

Mace, Siauw, No. 1, bls lb. .95 - .96
West Indian, No. 1, bls lb. .84 - .85
broken, cs lb. .70 - .72
Magnesia, calcined, tech., ctns. works lb. .32 - .34¼
synth., rubber grade, ctns., works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy, bbls. lb. .36 - .38
Magnesite, chemical grade, bgs., c.l., works, frt. equald ton.72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash ton.36.30 - —
Magnesium bromide, fars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09½- —
t.c.l., frt. alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
t.c.l., frt. alld lb. .11¾- —
kgs, c.l., frt. equald lb. .12 - —
t.c.l., frt. alld lb. .13 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
t.c.l., frt. alld lb. .12¼- —
bbls., c.l., frt. equald lb. .11¾- —
t.c.l., frt. alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
t.c.l., frt. alld lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.
Chloride, anhyd., lump., 95-98%, drums, c.l., works, frt. equald lb. .12¾- —
t.c.l., same basis lb. .14 - .15
powd., bbls., works ton.50.00 - —
hydrous, flake, dms., t.c.l., works ton.49.00 -51.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs lb. .26½- .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls. lb. .46 - .47
Metal, 99.8% ingots, cs., works, lb. .24½- —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls, works lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., c.l. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

THERE'S SOMETHING SPECIAL IN

Schering SULFONAMIDES

Just as in the hormone and antihistamine fields, Schering manufactures outstanding products in the sulfonamide field. Each of the Schering sulfonamides has special features that can make *your* product a preferred one.



SULFACETAMIDE

Unsurpassed safety and effectiveness—"the sulfonamide of choice" for your sulfonamide combination.

SODIUM SULFACETAMIDE

A "natural" for eye or nose infections—the only sulfonamide soluble in 30% concentration at physiologic pH.

PHTHALYLSULFACETAMIDE

Used for intestinal infections, this sulfonamide stays in the gut—where needed—without producing detectable blood levels.

The Schering sulfonamides can be supplied in bulk in any amount you need.

Schering CORPORATION • BLOOMFIELD, NEW JERSEY

Bulk Sales Division

Maleic Anhydride—Mica

Maleic anhydride, dms., c.l., dlvd, E. of Rockies lb. .37 • —
l.c.l., dlvd. E. of Rockies lb. .38 • —
Prices on maleic anhydride W of Rockies, 1½c. higher.
Malva flowers, black, bls lb. .90 Nom.
blue, bls lb. 1.85 • 2.00
Leaves, bls lb. .25 • .30
Mandrake root, bls lb. .29 • .30
Manganese acetate, bbls, dlvd lb. .32½- —
Arsenate, bgs lb. .16 • —
Borate, tech., bbls lb. .24 • —
Carbonate bbls., works lb. .21 • —
Chloride anhyd., dms., works lb. .20 • .22
Dioxide, African 84-87%, 40,000 to 99,999-lb lots, paper bgs., gross for net, works ton.83.00 • —
paper-lined burlap bgs., works ton.86.00 • —
dms., works ton.88.50 • —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Gluconate, dms., cns lb. 1.86 • 1.93
Glycerophosphate, NF, fib. dms. lb. 4.70 • 4.80
Hydrate, bbls., dlvd lb. .33¼- —
Hypophosphite, NF, dms lb. 2.00 • —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 6.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd. East lb. .30 • .32
Naphthenate, liquid 6% Mn., dms., frt. alld lb. .25 • —
Oleate, precip., bbls lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21¾- —
precip., dms lb. .24½- —
Manganese stearate, ctns., c.l. lb. .38 • —
ton lots lb. .39 • —
less ton lots lb. .40 • —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton.75.50 • —
l.c.l., dlvd., S. E. ton.82.50 • —
feed grade, 75%, bgs., c.l., dlvd. S.E. ton.87.50 • —
l.c.l., dlvd. S. E. ton.94.50 • —
Tallate, 6%, dms lb. .21¾- —
Mangrove bark, E. Africa, 35% tannin, c.l., ex dock ton.79.00 -80.00
So. American, 30% tannin, c.l., ex dock ton.58.50 -60.00
Manna, flake, large, cs lb. 1.25 • 1.30
small, cs lb. .80 • .93
Mannitol, cont'l dms., works lb. .40 • .43
reagent, 50-lb dms. works lb. .53 • —
Marjoram, Bohemian, bls lb. .22 • .22½
Chilean, bls lb. .21 • .22
French, bls lb. .28 • .28½
Peruvian, bls lb. .20 • .20½
Matico leaves, bls lb. .25 • .35
Melamine, bgs., ton lots, works lb. .33 • —
500 to 2,000-lb lots, works lb. .33½- —
less than 500-lb. lots, works lb. .33½- —
Menadione, USP, bots gram .06 • .06½
Menthol, natural, USP, Brazilian, cs lb. 5.00 • —
Japanese, cs lb. 6.70 Nom.
synthetic, USP, racemic, cns lb. 4.95 • —
Menthyl salicylate, tins lb. 4.00 • 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .34 • .35
less ton lots, same basis lb. .36 • .37
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .42 • .42½
less ton lots, same basis lb. .44 • .45½
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb. 5.29 • —
Iodide, red, NF, fib. dms. lb. 6.22 • —
yellow, NF, fib. dms. lb. 6.47 • —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb. 4.64 • —
Mesityl oxide, dms., c.l., dlvd lb. .13¾- .14¼
l.c.l., dlvd lb. .14 • .15
tanks, dlvd lb. .11½- .12½
Metaldehyde, dms., works lb. .95 • 1.25
Meta-aminophenol, distilled, dms., ton lots lb. 2.05 • —
less than ton lots lb. 2.50 • —
Metachloranilin, dms., works lb. .90 • —
Metacresol, 98%, dms., c.l., works fb. .73½- —
l.c.l., works lb. .74½- —
Metanitroanilin, dms., frt. alld lb. 1.05 • —
Metanitroparatoluidin, bbls lb. 1.54 • —
Metaphenylenediamine, kgs., frt. alld, lb. .90 • —
Metatoluidine, bbls., c.l., works, frt. alld lb. .78 • —
l.c.l., same basis lb. .80 • —
tankcars, same basis lb. .76 • —
Metatolylenediamine, fib. dms., frt. alld lb. .94 • 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 • —
l.c.l., frt alld gal. .79 • —
tanks, frt. alld gal. .70 • —
Prices on natural methanol W. of Miss., 3c. higher.
synthetic, Zone 1, dms., c.l., dlvd. l.c.l., dlvd. gal. .44 • .45½
tanks, dlvd. gal. .49 • .50½
gal. .52 • .33½
Methanol, synthetic, Zone 2, dms., c.l., dlvd. gal. .49½- —
l.c.l., dlvd. within established whse. delivery zone gal. .54 • —
tanks, dlvd. gal. .35½- —
Synthetic methanol zones are:—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt alld. 50-lb or more lb. 4.55 • —
feed grade, 98%, fib., dms., same basis lb. 3.00 • —
97%, fib. dms., same basis lb. 2.97 • —
Methoxychlor, 50% wettable powder, dealers, dms. cs., frt. alld lb. .61 • .64
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .19½- —
l.c.l., same basis lb. .20 • —
hydrogenated non-ret., dms., c.l., dlvd., zone 1 lb. .20 • —
l.c.l., same basis lb. .20½- —
Zone I includes New England and Middle Atlantic states, Va., W Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 • —
l.c.l., same basis gal. .63 • —
tanks, same basis gal. .45 • —
Natural methyl acetone prices W of Miss. 3½c. per gal. higher.
synthetic, dms., c.l., dlvd. E. gal. .66½- —
l.c.l., dlvd. E gal. .72½- —
tanks, dlvd. E gal. .54½- —
Synthetic methyl acetone East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.
Acrylate, dms. c.l., and truckload, works lb. .50 • —
less than truckload works lb. .15½- —
tanks, works lb. .49 • —
Alcohol (see Methanol).
Anthranilate, cns. lb. 2.35 • 2.40
extra, cns lb. 2.65 • 4.40
Benzoate, cns., dms lb. .53 • .59
Bromide, jobbers, cyls., various sizes, works lb. .47 • .61
Chloride, indust., cyl. works lb. .13 • —
tanks, multi-unit works lb. .14 • —
single-unit, works lb. .11½- —
refrigerator mfrs., cyls., dlvd lb. .39 • .48
other consumers or service men, cyls. dlvd lb. .406 • —
Cinnamate, cns. lb. 1.43 • 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 • —
tanks, works lb. .33 • —
Formate refd., dms lb. .25 • .40
tech., non-ret. dms., any quantity, works lb. .06 • —
tanks, works lb. .07 • —
Lactate, dms., l.c.l., works lb. .35 • —
Methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J. lb. .36½- —
less than truckload, same basis lb. .37 • —
tanks, same basis lb. .35 • —
Parahydroxybenzoate, USP, bots. lb. 2.10 • 2.20
fib. dms. lb. 1.90 • 2.00
Roseanilin chloride, NF, fib. dms. lb. 5.40 • —
Salicylate, USP, dms., 500 lbs lb. .50 • —
cns., 50 lbs. lb. .55 • —
Testosterone, USP, 100 gms gm. 1.75 • —
Methylal, refined, 97%, dms., c.l., works lb. .12¾- —
l.c.l., works lb. .13½- —
tanks, works lb. .11 • —
tech., 92%, dms., c.l., works. gal. .85 • —
l.c.l., works gal. .90 • —
tanks, works gal. .70 • —
Methylamyl acetate, dms., c.l., dlvd. E lb. .14¾- —
l.c.l., dlvd. E lb. .15½- —
tanks, dlvd. E lb. .13 • —
Ketone, dms., works lb. 1.05 • —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .78 • —
2,000 lbs., and more, same basis lb. .80 • —
smaller lots, frt. alld. on 100 lbs. .85 • .97
standard vis. (15-400 cps.), 50-lb. bgs., c.l., alld lb. .66 • —
2,000 lbs. and more, same basis lb. .68 • —
smaller lots, frt. alld. on 100 lbs lb. .72 • .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 • 3.60
smaller lots, kgs., same basis lb. 3.40 • 3.60
Chloride, industrial, dms., c.l., dlvd. E lb. .13½- —
Methylethylketone, dms., c.l., dlvd. lb. .12¾- .13¾
l.c.l., dlvd. lb. .13½- .14½
tanks, dlvd. lb. .11 • .12
Methylethylpyridin, dms., c.l., works. lb. .47½- —
l.c.l. works lb. .48 • —
tanks, works lb. .46 • —
Methylheptincarbonate, bots. lb. 35.00 -45.00
Methylionone, A, cns. lb. 6.55 • 8.80
D, cns. lb. 7.50 • 9.55
prime, cns. lb. 4.55 • 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14¾- —
l.c.l. dlvd. lb. .15½- —
tanks, dlvd. lb. .13 • —
Methylnaphthyl, ketone, cans lb. 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone, 250-lb. dms., dlvd lb. 1.60 • 1.70
less than 250 lbs., dms., dlvd lb. 1.80 • 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04¼- —
roofing, 20 to 80 mesh, works lb. .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld., E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld., E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld., E lb. .08 • —
rubber, bgs., c.l., works, frt. alld. E lb. .07 • —
l.c.l., ex whse. or frt. alld., E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld., E lb. .08 • —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld., E lb. .08 • —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.

chemistry

geared to INDUSTRY

TRONA-ESTON CHEMICALS INCLUDE:

TRONA† BRAND
Lithium Chemicals
Muriate of Potash (agricultural & chemical grades)
Potassium Pentaborate
Salt Cake
Soda Ash
Sodium Pentaborate
Sulphate of Potash (agricultural grade)

THREE ELEPHANT BRAND*
Borax, Technical (coarse and fine granular-powdered)
Boric Acid (Technical and U.S.P.)
PYROBOR* Dehydrated Borax, Technical (coarse & fine granular)
TRONABOR* Pentahydrate Borax (agricultural & refined grades)

ESTON BRAND
ALKRON* (parathion formulations)
BROMOFUME* (soil fumigants)
ESTOMITE* (residual type miticide)
ESTONATE* (DDT dust concentrates and emulsifiable solutions)
ESTONOX* (toxaphene formulations)
Organic bromides
TETRON* (Tetraethyl pyrophosphate formulations)
TUMBLEAF†
TUMBLE-WEED†

*Trade Mark Registered
†Trade Mark American Potash & Chemical Corp.

TRONA
INDUSTRIAL AND AGRICULTURAL CHEMICALS
ESTON CHEMICALS

MAKES THE WORLD GO 'ROUND

On our constantly revolving earth the wheels of progress grind ahead to new and wonderful developments for better living. Few men realize or stop to enumerate the countless invisible uses in industry for Trona Chemicals. Homes, clothing, food, automobiles, yes, even television sets are better because of minerals drawn from a dry lake created during the glacial age, in what is now California. Regardless of where they may live or what they may do, Trona Chemicals play a part in the life of every individual in these United States.

PROVED CHEMICALS FOR INDUSTRY AND AGRICULTURE

American Potash & Chemical Corporation

Offices • 3030 West Sixth Street, Los Angeles 54, California
122 East 42nd Street, New York 17, N. Y.
• ESTON CHEMICALS DIVISION
3100 East 26th Street, Los Angeles 23, California
Plants • Trona and Los Angeles, California

Milk powder, skimmed, roller, bbls., c.l. lb. .15 - .18½
spray, bbls., c.l. lb. .16¾ - .19¾
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l. lb. .33 - .40
Sugar, crude, bgs., c.l., works lb. .18 - —
edible, bgs., works, 30,000-lb. lots, works lb. .24 - —
2,000-lb. lots, works lb. .24¾ - —
200-1,800-lb. lots, works lb. .25¼ - —
Edible milk sugar in fib dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾ - —
200-1,800-lb lots, works lb. .30¼ - —
USP milk sugar in bgs. 1c. lower
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10 - —
New York gal. .11 - —
Molybdenum metal, 95% Mo. powd., kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14
Monobutylamine, dms., c.l., E. of Rockies lb. .54¾ - —
t.c.l., same basis lb. .55¾ - —
tanks, same basis lb. .53 - —
Monochlorobenzene dms., c.l., frt. alld. or dlvd. E. lb. .10½ - .11½
t.c.l., same basis lb. .11½ - .12½
tanks, same basis lb. .09 - .10
Monochlorobenzene prices to the West, 1¼c. higher
Monoethanolamine dms., c.l. dlvd. E. lb. .29¾ - —
t.c.l., same basis lb. .30¾ - —
tanks, same basis lb. .28 - —
Monoethylaminoanaphthylamine, dms., works lb. .88 - —
Monoethylamine 70% contained amine, dms., c.l., dlvd. E. lb. .32 - —
t.c.l., dlvd. E lb. .33 - —
tanks, dlvd. E lb. .30¼ - —
Monoethylaniline, dms., c.l., frt. alld. lb. .51 - .57
t.c.l. frt alld lb. .52 - .58
tanks, frt alld lb. .50 - .56
Monoethylorthotoluidin bbls lb. .60 - —
Monoisopropylamine, dms., c.l., dlvd. lb. .29½ - —
t.c.l., same basis lb. .30½ - —
tanks, same basis lb. .28½ - —
Monomethylamine, 25%-40%, dms., c.l. works basis 100%, lb. .35 - —
t.c.l., same basis lb. .35½ - .56
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium puosphate monobasic)
Mono-tertiary butylmetacresol, dms., c.l., works lb. .49 - —
t.c.l., works lb. .50 - —
tanks, works lb. .48 - —
Morphine ens oz. 12.40 -12.60
Acetate anhyd., ens oz. 9.95 -10.00
Hydrobromide ens oz. 9.90 9.95
Hydrochloride NF, ens oz. 9.90 9.95
Sulphate USP ens oz. 9.90 10.05
Morpholine dms., c.l., dlvd. E. lb. .54¾ - —
t.c.l., dlvd. E lb. .55¾ - —
tanks, dlvd. E lb. .53 - —
Mullein flowers, cs lb. 2.00 - 2.65
Leaves, bls. lb. .21 - .25
Muss, natural Tonquin grains, bots. oz. 40.00 -55.00
synthetic ambrette, 100-lb. tots, fib. dms lb. 5.35 - —
25-lb. lots, ens lb. 5.40 - —
5-lb lots, ens lb. 5.55 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb lots, ens lb. 5.35 - —
5-lb lots, ens lb. 5.50 - —
xylol, 100 lb. lots, fib. dms lb. 1.50 - —
25-lb lots, ens lb. 1.55 - —
5-lb. lots, ens lb. 1.70 - —
Musk rort, bls lb. 1.60 - 1.65
Mustard seed, Calif. brown bgs., f.o.b source lb. .12 - —
Danish, yellow, bgs lb. .10 - .13½
Dutch, yellow, bgs lb. .11 - .11½
English, yellow, bgs lb. .12 - .12½
German, yellow, bgs lb. .10 - .10½
Japanese yellow, bgs lb. .10 - .10¼
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .03 - —
oriental, bgs., source, Sept.-Oct. shipment lb. .05¼ - —
yellow, bgs, source, Sept.-Oct. shipment lb. .09¼ - —
Myrobalans, J1, ord. bgs., ex dock, ton. 47.00 - —
assorted, ex dock ton. 48.50 - —
crushed, bgs., ex dock ton. 65.00 -66.00
Extract, Indian solid, 53% tannin, ex dock plus duty lb. .07 - —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. equald lb. .0625- —
73°, dms., c.l., same basis lb. .0765- —
t.c.l., same basis lb. .0790- —
tanks, same basis lb. .0675- —
refined, industrial, bbls., c.l., frt. equald lb. .11¾ - —
bgs., c.l., same basis lb. .11¼ - —
tanks, same basis lb. .10¾ - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½ - —
cs. 50 lbs., c.l., same basis lb. .14¾ - —
1-lb. pkgs. c.l., same basis lb. .17 - —
imported, crude, 78° large lots, lb. .0375- .0385
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin fib. dms., 100-kilo lots, basis activity gm. .60 - —
1-kilo lots gm. 1.20 - —
Nepheline syenite glass, 24 mesh, bulk, works ton. 14.25 - —
pottery 200 mesh, bulk, works, N.Y. ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, ens lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .60 - .60½
Carbonate bbls., dlvd lb. .66¼ - —
Chloride, bbls., dlvd lb. .34½ - —
Cyanide, bots, dms lb. 4.50 - —
Formate bbls., ton lots, frt. alld. lb. .58½ - .59½
Metal, electro cathodes, cs., works, lb. .56½ - —
Nitrate, bbls, works lb. .33½ - —
Oxide, black, bbls lb. .63¼ - —
Sulphate, bgs, c.l., dlvd lb. .26¼ - —
t.c.l., dlvd lb. .26¾ - —
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted kilo. 11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs. dm. 49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6 tin. 10.85 - —
Niger seed, bgs., afloat lb. .11½ - .12
Nikethamide, cbys lb. 7.50 - 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .10½ - .11½
t.c.l., frt. alld lb. .11½ - .12½
tanks, frt. alld lb. .09½ - .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
t.c.l., same basis lb. .34 - .36
13-25 cps., bbls., c.l. lb. .35 - —
t.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., bbls., same basis lb. .42 - —
t.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis, lb. .45 - —
t.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
t.c.l., same basis lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
Nitroethane, dms., dlvd. E. of Rockies, lb. .25 - —
Nitrogen solution, tanks, works, 37-40.8% N. ton. 120.00 -123.00
Nitrogenous process tankage, bulk, works unit-ton. 5.00 - —
Sewage sludge, bulk, works unit-ton. 3.75 + .50
Nitromethane, dms., t.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼ - —
2, dms., dlvd. E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .33¼ - —
t.c.l., works lb. .33¾ - —
tanks, works lb. .32¼ - —
Nutgalls, Aleppo, bgs lb. .36 - —
Chinese, bgs lb. .36 Nom.
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, whole, cs lb. .34 - .34½
shrivels, bgs lb. .32½ - .33
West Indian, bgs lb. .26½ - .27
Nux vomica, bls lb. .10 - .12
powdered, bbls., bxs lb. .13 - .14

O

Octane, 100°-140°C., industrial grade, group 3, dms., c.l gal. .19 - —
t.c.l. gal. .21 - .60
tanks gal. .15½ - —
100° C. b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .35 - —
t.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½ - —
Octyl methacrylate, normal, dms., less than truckload, works, lb. .83 - —
Octylphenol, dms., c.l., works lb. .26¾ - —
t.c.l., works lb. .27¼ - —
tanks, works lb. .25¾ - —
Oil, abies siberica, ens lb. 2.50 - 2.65
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots lb. 2.75 - 3.40
NF bots. lb. 2.85 - 3.25
sweet, USP, dms., ens lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms lb. 1.65 - 1.90
Angelica root, bots lb. 90.00 -120.00
seed, bots lb. 55.00 -95.00
Anilin (see A).
Anise, USP, Chinese, dms lb. 2.35 - 2.75
Apricot, kernel, USP, dms lb. .34 - .60
Avocado, ens., dms lb. No prices.
Babassu, crude, tanks lb. No stocks
Bay, NF, Puerto Rican, 50-55%, ens lb. 1.55 - 2.20
55-60% ens lb 1.65 2.10
West Indian 50-55%, ens., dms lb. 1.45 - 2.25
Bergamot, artif., ens lb. 2.90 - 5.00
natural, NF, Italian, ens lb. 11.50 -14.50
Birchtar, crude, ens lb. 1.75 - 2.10
rectified, NF, ens lb. 2.50 - —
Bois de Rose, Brazil, dms lb. 3.25 - 4.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, redist., USP, ens lb. 1.60 - 2.85
tech., ens lb. 2.25 - —
Calamus, ens lb 10.00 -20.00
Camphor, sassafrassy, dms lb. .26 - .40
white, dms. lb. .26 - .40
Cananga, native, ens lb. 10.50 -11.50
rectified, ens lb. 11.00 -14.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, ens lb. 2.65 - 3.75
Cardamom, NF, bots lb. 43.00 -55.00
Cassia, USP, ens., dms lb. 5.25 7.50
Castor, blown, dms., c.l lb. .2900- —
t.c.l. lb. .2950- —
dehydrated, bodied, dms., c.l., lb. .3210- —
t.c.l. lb. .3260- —
tanks lb. .3110- —
unbodied, dms., c.l lb. .3060- —
t.c.l. lb. .3110- —
tanks lb. .2960- —

Whichever way you go—

For alkyd flats: U.S.I. pioneered with Aroflat* 3010, which was the first pure alkyd specifically designed as the sole vehicle for flat wall finishes. This was followed by Aroflat* 3025, the first pure alkyd for use as the sole vehicle in self-sealing wall paints. Then came Aroflat* 3050, which met the demand for more economical alkyd flat paints of good quality. *All three U.S.I. Aroflat alkyds are available in either odorless or regular solvents to fit your requirements.*

For latex paints: U.S.I. experience and research with alkyd emulsions led to the development of the first alkyd specifically designed for latex paints—Aroplaz* 1274—which overcomes the tendency of pure latex toward poor adhesion and wet scrubability. At the same time, Aroplaz* 1274 contributes better color retention, greater freeze-thaw stability and greater latitude of pigmentation—all without increase in raw material cost of latex paint. Aroplaz 1274 is available in both odorless and regular solvents.

Whichever way you go—alkyd flats or latex paints—odorless or regular solvents—tank cars or drums—call or write your nearest U.S.I. office for AROFLAT alkyds or AROPLAZ 1274.

*Reg. U.S. Pat. Off.

U.S.I. INDUSTRIAL CHEMICALS CO.
Division of National Distillers Products Corporation
120 Broadway, New York 5, N. Y.
Offices in Principal Cities

Oil, Castor, Hydrogenated—Oil, Wheat Germ

Oil, castor, hydrogenated, bgs...lb. .3425- .3473
No. 1, Brazilian, tanks.....lb. .24¾- —
USP, dms., c.l.....lb. .2700- —
l.c.l. .....lb. .2750- —
tanks .....lb. .2600- —
refined and deodorized, dms., c.l. lb. .2850- —
l.c.l. .....lb. .2900- —
tanks .....lb. .2750- —
No. 3, tech., dms., c.l.....lb. .2675- —
l.c.l. .....lb. .2725- —
tanks .....lb. .2575- —
sulphonated, 50% (48% fat), dms., l.c.l lb. .16½- .17
75% (60-62% fat), dms., l.c.l. lb. .23 - .23½
Cedarleaf, cns., dms .....lb. 2.25 - 2.80
Cedarwood, cns., dms.....lb. .48 - .75
Celeryseed, bots .....lb 16.50 -21.00
Chamomile, blue, Hungarian, bots lb.225.00 -260.00
Chaulmoogra, NF, cns., dms lb .55 70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots....lb.23.00 -60.00
leaf, Ceylon, bots.....lb. 1.60 - 3.25
Citronella, Ceylon, cns., dms....lb. .55 - .90
Java, true, cns .....lb. 1.10 - 1.90
Java type cns .....lb. .45 - .85
Clove, USP, from buds, cns., dms. lb. 9.50 - 9.75
Coconut, crude, tanks, N. Y....lb. .16¾- —
Pac. Coast .....lb. .15¾- —
refined, Cochin type, tax incl., ret. dms., l.c.l..lb. .25 - —
deodorized, tax incl., non-ret. dms., c.l..lb. .27¼- —
Cod, Newfoundland, dms .... lb. .10 - .10½

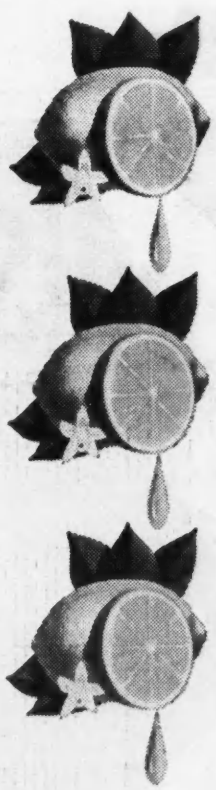
Oil, codliver, USP, dms.....gal. 1.55 - 1.65
Copaiba, cns .....lb. 2.00 - 2.50
Coriander, USP, bots.....lb.20.00 -23.00
Corn, crude, tanks, works.....lb. .13⅜- —
foots (soapstock), acid, 95%, tanks, N. Y..lb. .05¼- —
raw, 50%, tanks, same basis. lb. .02¼ Nom.
refined, dms .....lb. .18¼- .18¾
tanks .....lb. .16¾- —
Costus, bots. .....oz.12.50 -25.00
Cottonseed, crude, tanks, South-East..lb. .14 - —
Valley .....lb. .14 - —
Texas .....lb. .13¾- —
Cottonseed, foots (soapstock), acid, 95%, tanks, N. Y..lb. .03 - —
raw 50%, tanks, same basis. lb. .01⅜- —
salad, dms. .....lb. .19½- .19¾
tanks .....lb. .17⅞- —
Creosote (see Creosote, coaltar).
Croton, cns .....lb. 4.30 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 4.50 - 6.75
Cumin, bots. .....lb. 4.25 - 6.00
Cypress, bots.....lb. 6.00 - —
Degras (see D)
Dillseed, India, bots.....lb. 2.80 - 4.25
Dillweed, domestic, bots., dms lb. 4.00 - 5.25
Dip (see D)
Erigeron cns .....lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms..lb. .75 - 1.15
80-90%, dms.....lb. .85 - 1.25
Fennel, sweet, USP, cns.....lb. 2.30 - 2.75
Fir, Canada, cns.....lb. 2.65 - 3.10

Oil, fish, refined, alkali, dms.....lb. .1360- —
kettle-bodied, dms.....lb. .1560- —
light-pressed, dms.....lb. .1210- —
tanks .....lb. .1050- —
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13½
10,000 to 20,000 A units per gm., dms .1,000,000 units. .12 - .12½
25,000 to 35,000 A units per gm., dms..1,000,000 units. .12 - .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units. .12 - .13
100,000 A units per gm., dms., 1,000,000 units. .12 - .15
200,000 A units per gm. dms. 1,000,000 units. .12 - .15
300,000 A units per gm. dms. 1,000,000 units. .12 - .15
400,000 A units per gm. dms. 1,000,000 units. .12 - .15
500,000 A units per gm. dms. 1,000,000 units. .12 - .15

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots.....oz. 9.00 -11.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.12.00 -16.50
Bourbon, cns. .....lb.12.00 -16.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.14.00 -15.00
Grapefruit, dms.....lb. 2.65 - 3.50
Grease, No. 1, dms.....lb. .10¾- .11
extra, winter, strained, dms..lb. .12 - .12½
prime, burning, dms.....lb. .13½- .14½
Guaiacwood, cns.....lb. 1.65 - 1.90
Hemlock, cns .....lb. 2.10 - 2.50

Oil, juniper berry, NF, VIII, bots.lb. 2.75 - —
twice rectified, bots.....lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns.....lb. .42 - .50
Lard (see Oil, grease).
Laurel, dms., cns.....lb. 9.75 -12.50
Lavandin, dms., cns.....lb. 2.15 - 2.75
Lavender, flower, USP, French, 30-32% ester, cns.....lb. 3.10 - 5.00
38-40% ester, cns.....lb. 5.25 - 7.25
40-42% ester, cns.....lb. 6.00 - 7.75
Spike, Spanish, cns.....lb. 1.30 - 2.00
Lemon, USP, Calif., cns., dms..lb. 5.75 - 6.00
Messina, cns .....lb. 5.50 - 9.50
terpeneless, bots.....lb.32.00 -75.00
Lemongrass, cns., dms.....lb. 1.00 - 1.35
Lignaloe wood, Mexican, cns..lb. 2.80 - 4.50
Lime, distilled, Mexican, cns..lb. 6.00 - 7.00
West Indian, cns.....lb. 6.25 - 8.25
expressed, West Indian, cns..lb. 7.85 - 9.50
terpeneless, bots.....lb.45.00 -78.00
Linseed, raw, dms., c.l., N. Y..lb. .1725- —
l.c.l...lb. .1775- .1800
tankcars, f.o.b. Minneapolis lb. .1450- .1470
New York .....lb. .1575- .1595
tankwagon, N. Y.....lb. .1605- .1625
Boiled, linseed oil, .006c. per lb. nigher.
Mace, dist., cns., dms .....lb. 2.95 - 4.25
Mandarin, Floridian, dms.....lb. 3.00 - 5.35
Italian, cns.....lb. 6.50 -12.00
Menhaden, crude, tanks, Balto..lb. .07½- —
Mineral, white (see Oil, white, mineral)
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms.....lb. .16 - .16½
synthetic, cns., dms.....lb. 1.60 - 1.85
Neatsfoot, 15° dms.....lb. .32 - .33
20°, dms .....lb. .31 - .32
30°, dms .....lb. .29 - .30
Neroli, NF, French, bots.....lb.190.00 -270.00
petale, bots .....lb.40.00 -150.00
Nutmeg, USP dist., East Indian, cns., dms..lb. 3.35 - 4.05
West Indian, cns., dms..lb. 2.95 - 3.50
Ocotea cymbarum, dms.....lb. .56 - .90
tankcars .....lb. .25 - .25½
Oiticica, liquid, dms.....lb. .26¼- .26¾
Oleo, extra, dms.....lb. .10¾- .11
Olibanum bots.....lb. 5.50 - 7.65
extra fine bots .....lb 8.00 - —
Olive, commercial, dms.....gal. 2.05 - —
edible, dms., duty paid....gal. 2.45 - 2.55
foots, dms .....lb. .15 - .15½
Orange, sweet, dist., cns.....lb. .40 - .70
expressed, USP, Brazilian, cns., dms lb. No stocks.
Calif., cns.....lb. .80 - 1.00
Florida, cns.....lb. .70 - 1.00
Messina, cns.....lb. 3.90 - 4.50
West Indian, cns .....lb 2.75 - 3.35
sesquiterpeneless, bots.....lb.135.00 -150.00
Origanum, Spanish, cns.....lb. 2.15 - 2.75
Palm, clarif., dms., spot.....lb. .1240- .1250
Palmarosa, cns. .....lb. 7.50 - 8.40
Palm kernel, in bond, tanks...lb. .15 - —
Paraffin pale, 100-110 vis., at 100°F tanks, East Coast refinery gal. .14 - —
Patchouli, dms.....lb. 6.75 - 8.25
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast. lb. .22½- —
refined, dms.....lb. .27¾- .28¼
tanks .....lb. .26¼- —
Pennyroyal, USP, imported, cns lb. 2.25 - 2.40
Peppermint, natural, dms.....lb. 5.75 - 7.25
redist., USP, dms.....lb. 5.95 - 6.50
Persic, USP (see Oil, apricot kernel)
Petitgrain, Paraguay, cns., dms.lb. 2.35 - 3.10
Pimento berry, NF, dms.....lb. 4.75 - 5.75
leaf, cns.....lb. 2.35 - 2.65
Pine, dest., dist., dms., extra, c.l., works gal. .73½- —
l.c.l. .....gal. .76½- —
whse. .....gal. .95½- —
steam dist., dms., ex whse., N.Y.C lb .127 .128
Pineneedle, Siberian (see Oil, abies siberica).
Putty, petroleum, dms., c.l., divd. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars .....lb. .16½- —
Red (see Acid, oleic).
Rice, bran, clarif., dms.....lb. .15½- —
crude, tanks, dlvd. E.....lb. .13 - —
Rose, natural, Bulgarian, bots..oz.50.00 -62.25
Rosemary, Spanisn, tech., cns., dms..lb. .60 - .75
USP, cns., dms.....lb. .80 - 1.00
Rue, bots.....lb. 2.25 - 2.50
Safflower, dms., c.l., Atlantic coast. lb. .16½- —
tanks, same basis.....lb. .15 - —
Sage, clary, bots.....lb.20.00 -25.00
Dalmatian, cns.....lb. 6.75 - 8.50
Spanish cns .....lb. .90 - 1.25
Sandalwood, NF, cns.....lb. 9.75 -11.80
Sardine, crude, tanks, Pac. coast. lb. No stocks.
Sassafras, artificial, dms.....lb. .50 - .70
natural Brazilian (See Oil, ocotea cymbarum).
domestic, USP, cns., dms..lb. 1.90 - 2.25
Savin, cns .....lb. 2.75 - —
Savory, cns.....lb. No stocks.
Sesame, refd., dms.....lb. .36 - .37
Shingle stain, tar distillate, dms., c.l., works..lb. .31 - —
l.c.l., works.....lb. .33 - —
tanks, works .....lb. .21 - —
Snakeroot, Canada, cns.....lb.31.00 - —
Soybean, crude, tanks, mills....lb. .12⅜- .12½
foots (soapstock), acid, 95%, tanks, N. Y..lb. .05¼- —
raw, 50%, tanks, N. Y.lb. .02¼ Nom.
refined, alkali, dms., c.l.....lb. .16⅜- —
l.c.l. .....lb. .16⅞- .17¼
tanks .....lb. .14⅜- —
clarified, dms., c.l.....lb. .15⅜- —
l.c.l. .....lb. .15⅞- .16¼
tanks .....lb. .14⅜- —
salad, dms.....lb. .16⅜- .17
tanks .....lb. .15⅛- —
Spearmint, USP, dms.....lb. 7.75 - 9.00
sperm, bleached, winter, 45°, dms..lb. .1350- .14
tankcars .....lb. .1200- —
natural, winter 45° dms.....lb. .1250- .13
tankcars .....lb. .1100- —
Spruce, cns., dms.....lb. 2.10 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.95 - 8.00
Southern, cns.....lb. 2.00 - 3.25
Tall, crude, tanks, works.....lb. .02¼- .02½
refined, dms., c.l., works....lb. .06¼- .07¼
l.c.l., works.....lb. .06½- .07½
tanks, works .....lb. .05 - .06
Tallow, acidless, dms.....lb. .09½- .10
Tansy, dms.....lb. 8.25 - 9.00
Tar, pine, com'l, dms., extra, c.l., works..lb. .0488- —
l.c.l., works.....lb. .0545- —
whse. .....lb. .0655- —
tanks, works .....lb. .041 - —
rectified, N.F., l.c.l., dms, extra, works, South..gal. .67 - —
whse. N.Y.C. .....gal. .77 - —
Tar acid (see T).
Theobroma (see Cocoa butter).
Thyme, NF red, cns., dms....lb. 1.90 - 3.75
white cns.....lb 2.25 - 4.00
tech., white, cns.....lb. .40 - 1.85
Tung, dom., tanks, mills.....lb. .28 - —
imported, dom., c.l.....lb. .31½- —
l.c.l. .....lb. .32 - .32½
tanks .....lb. .30 - —
Turkey red (see Oil, castor, sulphonated).
Turpentine, NF, cns., dms.....lb. .20 - .46
Vetiver, Bourbon, cns.....lb.20.00 -24.00
Haitian, cns. .....lb.17.50 -26.00
Java, cns.....lb.29.00 -35.00
Wheat germ, o-gal. dms....gal.10.00 -13.00



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Oil, white mineral, tech., 50-65 vis., dms., c.l.	gal.	.51½-	.54½
l.c.l.	gal.	.56½-	.57½
65-75 vis., dms., c.l.	gal.	.52½-	.55½
l.c.l.	gal.	.57½	.58½
NF, 80-90 vis., dms., c.l.	gal.	.53½-	.56½
l.c.l.	gal.	.58½	.59½
125-135 vis., dms., c.l.	gal.	.59½-	.62½
l.c.l.	gal.	.64½-	.65½
145-155 vis., dms., c.l.	gal.	.66 -	.68½
l.c.l.	gal.	.71 -	.71½
175-185 vis., dms., c.l.	gal.	.69½-	.73
l.c.l.	gal.	.74½	.76
USP, 200-210 vis., dms., c.l.	gal.	.72½-	.75
l.c.l.	gal.	.77½	.78
345-355 vis., dms., c.l.	gal.	.77	.80
l.c.l.	gal.	.83	.85
Wintergreen, USP, nat., Northern, cns.	lb.	7.15	-14.50
Southern, cns.	lb.	3.86	-19.50
synthetic (see Methyl salicylate)			
Wood (see Oil tung)			
Wormseed, cns.	lb.	8.75	- 9.50
Wormwood, cns.	lb.	5.55	6.85
Ylang-ylang, Bourbon, bots.	lb	18.00	-30.00
extra, bots.	lb.	30.00	-40.00
Madagascar, bots.	lb	No stocks	
Oleostearin, bbls.	lb.	.06½-	.07
Olivine aggregate, c.l., mines, crushed 8 mesh bulk, c.l. works	ton.	7.00	9.50
paper, bgs., c.l., works	ton	10.00	—
Opium, USP, cns.	lb.	12.05	—
gran., USP, cns.	lb.	19.20	19.45
powd., USP, cns.	lb.	21.65	-21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies	lb.	21.65	-21.90
Chrome, CP, bbls., dlvd N. of Tenn. and N. C., E. of Miss. R., include Davenport, Penn., and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	1.20	- —
Chrome orange prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn. Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.8c. higher dlvd Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Dinitroanilin toner	lb.	1.30	—
Mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.2010-	—
Molybdateu, bbls	lb.	.44	—
Orthonitroanilin toner, kgs.	lb.	1.15	—
Persian, bbls.	lb.	.65	—
Orange flowers, bls.	lb.	.55	.56
Peel, bitter, Haitian, bls.	lb.	.12	.14
sweet, bls.	lb	.14	16
Oregano, Italian, bgs.	lb.	.24	Nom.
Mexican, bgs., afloat	lb.	.15½	Nom.
Portuguese, bgs., afloat	lb.	.20	—
Orris root, Florentine, bls.	lb.	.20	.22
powdered, bbls., bxs.	lb.	.25	.26
Verona, bls.	lb.	.14	.15
powdered, bbls., bxs.	lb.	.19	.24
Orthoaminobiphenyl, dms., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33	—
tanks, same basis	lb.	.37	—
Orthoanisidin, bbls.	lb.	.68	—
Orthochloroanilin, dms., c.l.	lb.	.65	.70
l.c.l.	lb.	.67	.72
Orthochlorobenzaldehyde, dms., works	lb.	1.18	—
Orthochloroparanitroanilin, dms., dlvd	lb.	.86	—
Orthochlorophenol, dms., c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb.	.35½-	—
Orthocresol, pure, 30° C., non-ret., dms., c.l., frt. equald.	lb.	.173	.198
l.c.l., same basis	lb.	.176	.201
ret., dms., c.l., same basis	lb.	.17	—
l.c.l., same basis	lb.	.17½-	—
tanks, same basis	lb.	.16	—
29° C. non-ret., dms., c.l., same basis	lb.	.188	—
l.c.l., same basis	lb.	.191	—
ret., dms., c.l., same basis	lb.	.16	—
l.c.l., same basis	lb.	.16½-	—
tanks, same basis	lb.	.15	—
25-29° C. non-ret., dms., c.l., same basis	lb.	.153	—
l.c.l., same basis	lb.	.156	—
tanks, same basis	lb.	.140	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.11¼-	.13¼
l.c.l., same basis	lb.	.12¼-	.14¼
tanks, same basis	lb.	.09¾-	.11¾
Orthoisopropyl N phenylcarbamate (see IPC).			
Orthonitroanilin, dms.	lb.	.50	.56
Orthonitrochlorobenzene, dms.	lb.	.20	.21
Orthonitrobiphenyl, tech., dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15	—
tanks, works	lb.	.13	—
Orthonitroparachlorophenol, cns.	lb.	.75	—
Orthonitrophenol, bbls., works	lb.	.94	—
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	.10	—
l.c.l., frt. alld.	lb.	.11	—
tanks, frt. alld.	lb.	.09	—
Orthophenetidin, dms., works	lb.	1.00	—
Orthophenylphenol, fib, dms., works.	lb.	.20	.44
Ortho-tertiary-amylphenol, dms., c.l., works	lb.	.43¾	—
l.c.l., works	lb.	.46¾-	—
tanks, works	lb.	.41¾-	—
Orthotoluidin, dms., c.l., works	lb.	.23	—
l.c.l., same basis	lb.	.24	—
tanks, same basis	lb.	.22	—
Osage orange, crystals, No. 1, bbls., l.c.l.	lb.	.40	—
extract, liquid, No. 1, bbls., l.c.l.	lb.	.19	—
Orthotolidin (see Tolidine Base).			
Ouabaine, USP, bots.	gram.	3.00	4.00
Ox bile, extract, powdered, USP, 5-lb. lots or more	lb.	6.00	—
not extract, powdered, 5-lb. lots or more	lb.	4.35	—
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb.	4.75	5.00
smaller lots, works	lb.	4.92	5.17

P

Pancreas substance, assay 1:75 bots., 5-lb. lots or more	lb.	5.75	—
Pancreatin, USP, bots.	lb.	2.50	3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	—
Papain, powd., African, dms.	lb.	7.00	7.25
Ceylon, dms.	lb.	5.75	6.00
Papaverine, natural or synthetic hydrochloride, USP, cns., 25 oz. to 100 oz., lots	oz.	5.00	—
smaller lots	oz.	5.05	5.20
Sulphate, cns.	oz.	7.10	7.35
Para-anisidin, dms., works	lb.	.88	—
Paprika, Algerian, bgs.	lb.	.27	.28
Czech, bgs.	lb.	.34	.35
Moroccan, bgs.	lb.	.24	.25
Spanish, bgs.	lb.	.42	.46
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Para-aminophenol, dms., frt. alld.	lb.	.97	.98
Parachloroanilin, dms., frt. alld., E. of Miss.	lb.	.75	—
Parachlorobenzaldehyde, dms., works.	lb.	1.34	1.37
Parachloro-orthonitroanilin, dms., frt. alld.	lb.	.73	.82
Parachlorophenol, dms., c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb.	.35½-	—
Paracresol, 98%, dms., c.l., dlvd.	lb.	.49	—
l.c.l., dlvd.	lb.	.51	—
Methylether, cns.	lb.	2.15	2.50
Paracymene, dms., 50-gal. lots or more, works	gal.	2.50	—
smaller lots	gal.	3.00	—
Paradibromobenzene, bgs. 500-lb. lots.	lb.	.55	—
Paradichlorobenzene, dms., c.l., works	lb.	.14½-	—
l.c.l., same basis	lb.	.17	—
Paraffin, crude, scale, white, 121°-123°F, ASTM, solid, c.l., ref'y	lb.	.055	—
fully refined, 122-124 ASTM, loose, c.l., rfy	lb.	.0745-	—
125°-127°F, ASTM, loose, c.l., ref'y	lb.	.0745-	—
130°-132°F, ASTM, loose, c.l., ref'y	lb.	.0753-	—
132°-134°F, ASTM, loose, c.l., ref'y	lb.	.0755-	—
135°-137°F, ASTM, loose, c.l., ref'y	lb.	.0755-	—
Prices for paraffin in bags and ctns., c.l., 7 10c per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb higher.			
Paraformaldehyde, tech., 91%, powd., bgs., c.l., frt. alld.	lb.	.15½-	—
l.c.l., frt. alld.	lb.	.17	—
flake, bgs., c.l., frt. alld.	lb.	.12	—
l.c.l., frt. alld.	lb.	.13½-	—
USP X, fib, dms., c.l.	lb.	.198	—
10,000-lb. lots	lb.	.198	—
1,000-lb. lots	lb.	.196	—
smaller lots	lb.	.208	—
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works	lb.	.1385-	.1650
l.c.l., works	lb.	.1485-	.1750
tanks, works	lb.	.1200-	.1500
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.48½-	—
l.c.l., works, frt. alld	lb.	.51¼-	—
Paranitrochlorobenzene, kgs., works.	lb.	.21	.22
Paranitrophenol, kgs., works, frt., equald	lb.	.46	—
Paranitrotoluene, kgs., frt alld	lb.	.36	—
Paraphenetidin, dms., works	lb.	.90	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.00	—
tech., refd., dms., same basis	lb.	1.10	1.35
Paraphenylphenol, bgs., c.l., works.	lb.	.37½-	—
l.c.l., same basis	lb.	.42	—
Para-tertiary-butylphenol, bgs., c.l., works	lb.	.27½-	—
l.c.l., same basis	lb.	.28½-	—
Parathion, spray powder, 15%, dealers, tins	lb.	.53	.59
tech., dms., works	lb.	1.50	—
Para-tertiary-amylphenol, ctns., c.l., works	lb.	.26	—
l.c.l., works	lb.	.27	—
tanks, works	lb.	.25	—
Paratoluenesulphonamide, flake, bbls., frt. alld	lb.	.64	.66
powd., bbls., works	lb.	.70	—
solid, bbls., frt. alld	lb.	.61	—
Paratoluidin, flake, bbls., frt. alld.	lb.	.64	.66
solid, bbls., frt. alld	lb.	.61	—
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.35	.36
l.c.l., same basis	lb.	.39	.67
Passion flower herb, bls.	lb	.25	.29

Oil, White Mineral—Peppermint Leaves

Peanut meal, 45%, sacked, mills	ton.	82.00	-83.00
Pectin, citrous, NF, powd., bbls	lb	2.05	2.06
tech., powd., bbls	lb	1.50	—
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units		.09	.10
Procaine, bulk, 1,000,000 units		.10	.11
Sodium, sterile, bulk, 1,000,000 units		.09	.10
Pennyroyal herb, bls	lb	45	50
Pentachlorophenol, dms., c.l., works, frt. equald	lb	.21	—
l.c.l., same basis	lb	24	29
truckload, 20,000 lbs. min same basis	lb	21¼	—
Pentaerythritol, tech., bgs., c.l., works	lb	.33	—
l.c.l., works	lb	34	36
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol)			
Pentane, industrial, tanks, group 3.	gal	12	13½
Pepper, black, Malabar, spot, bgs.	lb.	1.15	- —
red, Carolina, long, bgs.	lb.	.44	.45
Gondar, bgs.	lb.	.25	- .28
Japanese hontakas, bgs.	lb.	.48	- —
birdseyes, bgs., afloat	lb.	.62	—
Louisiana longs, bgs.	lb.	.45	Nom.
Mississippi sports, bgs., source, new crop	lb.	.45	Nom.
Mombasa, bgs.	lb.	.44	- —
Nigerian, bgs.	lb.	.38	.40
Turkish, bgs.	lb.	.35	- .36
Unganda, bgs.	lb.	.36½	Nom.
Zanzibar, bgs.	lb.	.43	- —
white, bgs.	lb.	1.42	- —
Peppermint leaves, USP, bls., dms	lb.	.65	.66
imported, bls.	lb.	1.05	Nom.

LET'S GET DOWN TO "Essentials"

Felton Quality Control starts right back at the prime source. That's why discriminating users consider the Felton Essential Oils listed here always the best dollar values offered.

- ☐ Almond
- ☐ Anise
- ☐ Bay
- ☐ Bergamot
- ☐ Birch
- ☐ Bois de Rose
- ☐ Cananga
- ☐ Cassia
- ☐ Cedarleaf
- ☐ Cedarwood
- ☐ Cherry Laurel
- ☐ Cinnamon
- ☐ Citronella
- ☐ Clove
- ☐ Copaiba
- ☐ Coriander
- ☐ Eucalyptus
- ☐ Geranium
- ☐ Grapefruit
- ☐ Guaiacwood
- ☐ Labdanum
- ☐ Lavandin
- ☐ Lavender
- ☐ Lemon
- ☐ Lemongrass
- ☐ Limes
- ☐ Orange
- ☐ Patchouly
- ☐ Peppermint
- ☐ Petitgrain
- ☐ Pimenta
- ☐ Rosemary
- ☐ Sage
- ☐ Sandalwood
- ☐ Spike
- ☐ Spearmint
- ☐ Thyme
- ☐ Vetivert
- ☐ Wintergreen
- ☐ Ylang Ylang

GET IN TOUCH WITH US NOW FOR LATEST QUOTATIONS!

AROMATICS • PERFUME BASES • ESSENTIAL OILS

FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 6, N. Y.

PLANTS: BROOKLYN, N. Y. • LOS ANGELES, CAL. • MONTREAL, QUE. • PARIS, FRANCE
SALES OFFICES: ATLANTA • BOSTON • CHICAGO • DALLAS • PHILADELPHIA
ST. LOUIS • TOLEDO • TORONTO
STOCKS CARRIED IN PRINCIPAL CITIES

Pepsin, NF—Phosphate Rock

Pepsin, NF, 1:3,000, bulk ..... lb. 3.75 - 3.90
Perchloroethylene, dms., c.l., or truckloads, works lb. .11 - —
divd. E ..... lb. .12 - —
t.c.l., works ..... lb. .11¾- —
divd. E ..... lb. .12½- —
tanks, works ..... lb. .10½- —
Peru balsam, dms ..... lb. 1.35 - 2.00
Petrolatum, amber, dms., c.l., refy. lb. .04¾- .05⅛
t.c.l., divd. ..... lb. .06⅛- —
tanks, refy ..... lb. .03⅛- .04⅛
cream, dms., c.l., refy ..... lb. .06 - .07⅛
t.c.l., divd. ..... lb. .08¼- —
tanks, refy ..... lb. .04¾- .05⅛
extra, amber, dms., c.l., refy lb. .05 - .05⅞
t.c.l., divd. ..... lb. .06¾- —
tanks, refy ..... lb. .03¾- .04⅛
USP, white, lily, dms., c.l., refy. lb. .06¾- .07⅛
t.c.l., divd ..... lb. .08¾- —
tanks, refy ..... lb. .05⅛- .06
soft, dms., c.l., refy ..... lb. .06⅜- .07¾
t.c.l., divd. ..... lb. .08¼- —
tanks, refy ..... lb. .05⅝- —
snow, dms., c.l., refy ..... lb. .06⅜- .08
t.c.l., divd. ..... lb. .09¼- —
tanks, refy ..... lb. .05⅝- .06½
yellow, soft, dms., c.l., refy lb. .05 - .05⅞
t.c.l., divd. ..... lb. .06¼- —
tanks, ref'y ..... lb. .05¾- —
Petroleum, crude, bulk, at wells, California bbl. 1.10 - 2.99
Illinois ..... bbl. 2.44 - 2.87
Kentucky ..... bbl. 2.42 - 2.83
Louisiana-Arkansas ..... bbl. 2.08 - 2.90
Montana ..... bbl. 1.28 - 2.775
Oklahoma-Kansas ..... bbl. 2.16 - 2.65
Petroleum, crude, bulk, at wells, Pennsylvania lower field. bbl. 3.82 - —
Upper field ..... bbl. 4.25 - —
Texas, East ..... bbl. 2.65 - —
Gulf coast ..... bbl. 2.38 - 2.95
North, North-Central bbl. 2.23 - 2.65
Panhandle ..... bbl. 2.23 - 2.65
West ..... bbl. 2.33 - 2.65
Wyoming ..... bbl. 1.28 - 2.875
Fuel oil, bunker C, No. 6, California, heavy, tanks, refinery6bbl. 1.95 - 2.15
light, tanks, refinery..bbl. 2.15 - 2.25
eastern, tanks, Albany, N. Y. bbls. 2.45 - —
Baltimore, Md. ..... bbl. 2.10 - —
Boston, Mass. ..... bbl. 2.15 - —
Charleston, S. C. ..... bbl. 2.00 - —
Jacksonville, Fla ..... bbl. 1.97 - —
New York Harbor ..... bbl. 2.10 - —
Norfolk, Va. ..... bbl. 2.05 - —
Philadelphia, Pa. ..... bbl. 2.10 - —
Portland, Me. ..... bbl. 2.15 - —
Providence, R. I. ..... bbl. 2.12 - —
Savannah, Ga. ..... bbl. 2.00 - —
Diesel, tanks, refinery, California gal. .0825- .115
Pennsylvania ..... gal. .0925- .1025
Furnace, tanks, refinery, Arkansas, No. 2 gal. .06375- —
No. 3 ..... gal. .06 - —
N. Y. Harbor, No. 2 ..... gal. .0975- —
group 3, No. 1 ..... gal. .08125- .0875
No. 1, straw ..... gal. .09 - .09375
No. 2, straw ..... gal. .07625- .08125
range ..... gal. .0875- —
Pennsylvania, western, No. 1 gal. .1075- .1135
No. 2 ..... gal. .105 - .112
No. 3 ..... gal. .105 - .112
Petroleum, lacquer diluent, California, 170-225° F., b.r., tanks, ex tax, f.o.b. Los Angeles..gal. .167 - .207
East coast, tanks, N. J. and N. Y. refinery..gal. .18 - —
group 3, benzol-type, tanks, refinery..gal. .13125- .13625
toluol-type, tanks, refinery, gal. .12125- .12375
Mineral spirits, regular, California, tanks, ex tax, f.o.b. San Francisco..gal. .147 - .157
East coast, tanks, N.J., N.Y. gal. .16 - —
Group 3, tanks ..... gal. .10875- —
tankwagon, Baltimore.... gal. .175 - —
Boston ..... gal. .18 - —
Buffalo ..... gal. .185 - —
Newark ..... gal. .17 - —
New York ..... gal. .165 - .17
Philadelphia ..... gal. .165 - —
Pittsburgh ..... gal. .19 - —
Providence ..... gal. .185 - —
Rochester ..... gal. .20 - —
Syracuse ..... gal. .21 - —
Washington, D. C. ..... gal. .195 - —
specially refined, tanks, f.o.b. Watson, Calif..gal. .228 - —
f.o.b. Bordertown, Tex., gal. .24 - —
f.o.b. Houston, Texas, gal. .24 - —
f.o.b. Wood River, Ill. gal. .2625- —
tank transport, f.o.b. Carteret, N. J. gal. .336 - —
tankwagon, N. Y. and N. J.. gal. .37 - —
Petroleum naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Group 3 tanks ..... gal. .11875- —
tankwagon, Newark ..... gal. .17 - —
New York ..... gal. .17 - —
Philadelphia ..... gal. .165 - —
high flash, 140°, group 3, refinery, tanks gal. .134 - .1425
high-solvency, 206-235 b.r. 37-38° C., mixed anilin pt., tanks, refinery or East Coast gal. .25½- —
25-26° C., m.a.p., tanks, same basis gal. .24 - .30⅛
270-370 b.r., 78-81°C., m.a.p., tanks, same basis ..... gal. .29 - —
49°C, m.a.p., tanks, same basis gal. .32 - —
26-27° C., m.a.p., tanks, same basis gal. .24 - .33
300-400 b.r., 28°-32° C., m.a.p., tanks, same basis gal. .24 - .30⅛
340-410 b.r., 36° C., m.a.p., tanks, same basis gal. .24 - —
32° C., m.a.p., tanks, same basis gal. .24 - .30⅛
27° C., m.a.p., tanks, same basis gal. .34⅛- —
250-425 b.r., 32° C., m.a.p., tanks, same basis gal. .30⅛- .31⅛
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles, gal. .152 - —
Portland, Ore. .... gal. .158 - —
San Francisco .... gal. .157 - —
Seattle, Wash. .... gal. .158 - —
East coast, N. J., N. Y., tanks gal. .17 - —
Group 3, tanks ..... gal. .11875- —
tankwagon, Boston ..... gal. .195 - —
Newark ..... gal. .185 - —
New York ..... gal. .185 - —
Philadelphia ..... gal. .180 - —
Pittsburgh ..... gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .157 - —
East coast, N. J., N. Y. gal. .17 - —
Group 3, tanks gal. .11875- —
Stoddard, California, tankwagon, ex-tax, Los Angeles..gal. .157 - .197
East coast, N. J., N. Y., tanks gal. .16 - —
Group 3, tanks ..... gal. .11375- —
Pennsylvania, western, tanks, t.c.l., same basis ..... lb. .20 - —
tankwagon, Boston ..... gal. .18 - —
Newark ..... gal. .17 - —
New York ..... gal. .17 - —
Philadelphia ..... gal. .165 - .17
Pittsburgh ..... gal. .19 - —
Syracuse ..... gal. .21 - —
Sulphonate, oil soluble, 70%, sulphonic content, non-ret. dms., c.l., works..lb. .2040- —
t.c.l., works ..... lb. .2065- —
tanks, works ..... lb. .1850- —
60-62% sulphonic content, non-ret. dms., works lb. .175 - .20
t.c.l., works ..... lb. .185 - .202
tanks, works ..... lb. .145 - .185
50-55% sulphonic content, non-ret. dms., works..lb. .155 - —
t.c.l., works ..... lb. .165 - —
tanks, works ..... lb. .125 - —
Phenobarbital, USP, dms., 100 lbs lb. 4.50 - 4.70
Phenobarbital-sodium, USP, dms lb. 4.50 - 4.70
Phenol, 90-92% (cresol, 8-10%), non-ret. dms., c.l., frt. alld. E. of Rockies..lb. .18¾- —
t.c.l., same basis ..... lb. .19½- —
ret. dms., c.l., same basis..lb. .18 - —
t.c.l., same basis ..... lb. .18½- —
tanks, same basis ..... lb. .17 - —
82-84% (cresol, 16-18%), non-ret. dms., c.l., same basis..lb. .18¼- —
t.c.l., same basis ..... lb. .19 - —
ret. dms., c.l., same basis..lb. .17½- —
t.c.l., same basis ..... lb. .18 - —
tanks, same basis ..... lb. .16½- —
39° or above, tar distilled, non-ret. dms., c.l., same basis, lb. .19¼- —
t.c.l., same basis ..... lb. .20 - —
tanks ..... lb. .17½- .18
ret. dms., c.l., same basis..lb. .19 - —
t.c.l., same basis ..... lb. .19½- —
tanks, same basis ..... lb. .17½- .18
USP, synthetic, dms., c.l., same basis..lb. .19¾- —
t.c.l., same basis ..... lb. .20½- —
tanks, same basis ..... lb. .18 - —
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots ..... lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted..lb. .50 - —
over 2,100 lbs., same basis lb.. .52 - —
less than 2,100 lbs., same basis. lb. .54 - —
Phenyl acetate, dms., 100 lb. lots. works lb. .50 - —
Salicylate (see Salol)
Phenylacetaldehyde solution, 50%, bots lb. 2.40 - 2.70
100%, bots ..... lb. 4.00 - 4.65
Phenylacetamide 125-lb. dms., works, lb. 1.10 - —
smaller dms., works ..... lb. 1.15 - 1.10
Phenylalamine dextro-laevo, dms., works lb. 27.00 - 37.50
Phenylcarbethoxy pyrazolone, 250-lb. fib. dms., divd. E lb. 3.60 - —
less than 250-lb. dms., divd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., frt. alld lb. .40 - —
t.c.l., frt. alld ..... lb. .36 - .41
Phenylethanolamine, dms., c.l., works lb. .69¼- —
t.c.l., same basis ..... lb. .70 - —
Phenylethyl acetate, dms ..... lb. 1.20 - 1.57
Phenylethylphenyl acetate, bots lb. 4.03 - 4.50
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 2.75 - —
purified, bots., works ..... lb. 5.12 - —
Phenylmethylpyrazolone, (see Methylphenylpyrazolone).
Phlorogiucinol, coml., fib. dms., works lb. 6.40 - —
C.P., bots., fib. dms ..... lb. 17.00 - 17.25
tech., fib., dms. works ..... lb. 10.45 - —
Phosgene, 150-lb. cyls., works lb. .27½- —
Phosphate defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports..ton. 45.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis ..... long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis..long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines..short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 c.l., mines..long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —

for assured high quality in industrial finishing

use PENOLA SOLVENTS

Penola Solvents offer all these important advantages:

- Uniformity
- Controlled Evaporation
- Balanced Solvency
- Purity
- Special Handling
- Immediate availability

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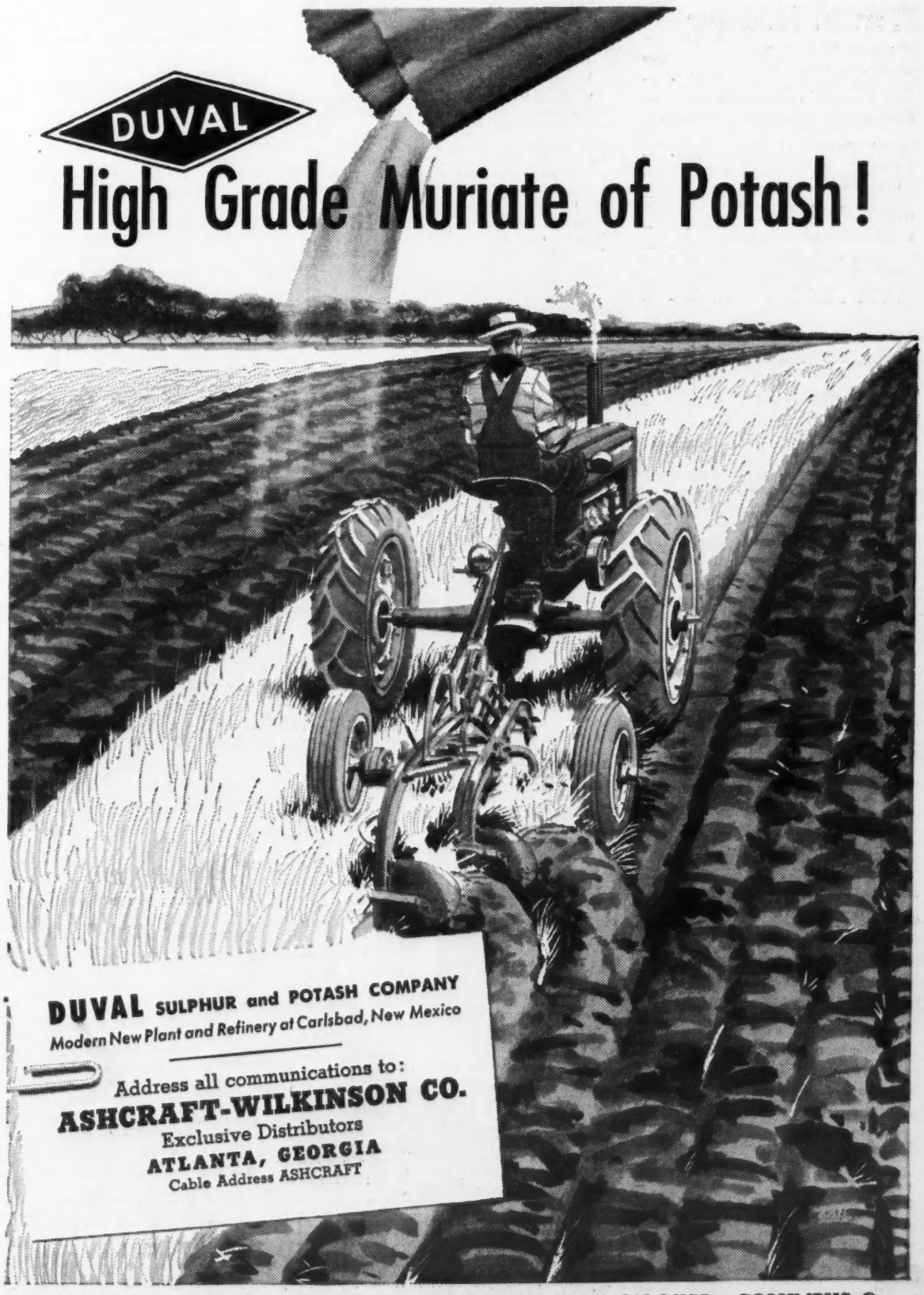
Phosphorus, red, amorphous cs., lb. .46 - .47
dms. lb. .44 - .45
yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., c.l., works lb. .13 - .14
t.c.l., dms., works lb. .15 - .18
tankcars, works 100 lbs. .11½- —
Pentasulphide, solid, dms., c.l., works lb. .11½- —
t.c.l., dms., works lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .12 - —
t.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .13 - .14
t.c.l., works lb. .15 - .18
tankcars, works lb. .11½- —
Phthalic anhydride, bgs., c.l., works, frt equald lb. .22 - —
t.c.l., same basis lb. .23 - —
tanks same basis lb. .21½- —
Phthalic anhydride in bags., ½c. per pound higher.
Phthalimide, 97%-98%, dms. works, frt. alld lb. .65 - —
Phthalylsulphacetamide, fiber dms., lb. 5.00 - 5.50
Pichi leaves, bgs lb. .16 - .17
Picoline (See Alpha, Beta and Gamma Picoline)
Pilocarpine hydrochloride, NF, bots. oz. 5.25 - —
Nitrate, USP, bots., vials oz. 5.10 - —
Pimento, Guatemala, bgs. lb. .20 - .20½
Jamaica, bgs. lb. .28 - .28½
Mexican, bgs. lb. .15½- .16
Pinetar, retort, dms., incl. c.l., works lb. .0511- —
t.c.l. same basis lb. .0568- —
whse. lb. .0678- —
Pinkroot, bls. lb. 2.50 - 2.55
Piperazine hexahydrate, French Codex bots. kilo. 8.00 - 8.50
Piperidine, 98%, 500-lb. dms., frt. equald lb. 2.60 - —
Piperonyl butoxide, dms., dlvd. E lb. 5.00 - 5.30
Cyclonene, dms., dlvd. E lb. 4.20 - 4.50
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms., mc., c.l., l.c.l. works 100 lbs. 9.80 -10.25
Coaltar, 140°-150° F., m.p., bbls., c.l., works ton 38.00 -39.00
l.c.l. works ton 44.20 - —
Cottonseed, dms., works lb. .02¼- .03
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms lb. .06 Nom.
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works lb. .05 Nom.
Tall, dms., works lb. .03¾- .04½
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 90.00 -93.00
Pleurisy root, bls lb. .45 - .50
Podophyllum resin, NF, dms lb. 11.00 -11.20
Pokeroot, bls lb. .22 - .23
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000-lb. lots, works. lb. .45 - —
smaller lots, works lb. .48 - .50
Tristearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000-lb. lots, works. smaller lots, works lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld. lb. .35½- .38
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis. lb. .36½- —
standard, bgs lb. .35½- .36
crystals, heat-resistant, bgs., c.l. lb. .34 - —
l.c.l. lb. .34½- —
standard, bgs., c.l. lb. .32½- —
l.c.l. lb. .33 - —
Polystyrene in non-returnable fib., dms., ½c. per lb. higher.
Pomegranate root bark, bgs lb. .75 - .76
Poppy flowers, bgs lb. 1.20 - 1.25
Seed, Dutch, bgs lb. .16 - .16½
Polish, bgs. lb. .15 - .15¼
Turkish, bgs. lb. .12¾- .13
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
l.c.l., works 100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works. 100 lbs. 4.625 - —
l.c.l., works 100 lbs. 5.125 - —
tanks, works 100 lbs. 4.30 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.40 - —
l.c.l., works 100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l. same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works 100 lbs. 8.65 - —
Potassium abietate, dms., works lb. .25 - .28
Acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms. lb. .24 - —
Bichromate, bgs., c.l., works lb. .14½- —
l.c.l., same basis lb. .14¾- .15½
Potassium bichromate in drums ¾c. higher.
Bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more. lb. .50 - .52
25-200-lb. lots lb. .55 - .57
Bromide, USP, gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chlorate, cryst., dms., c.l., works lb. .09¾- —
l.c.l., works lb. .10 - .11
powd., dms., c.l., works lb. .10¼- —
l.c.l., works lb. .10¾- .11¼
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms lb. .32 - .33
Chloride, USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd., dms lb. .24 - .26
Chromate, tech., bgs lb. .33½- .36
Citrate, USP, gran., dms lb. .37½- .38½
powder dms lb. .40½- .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
less than 500-lb. lots, works lb. .57 - —
Fluoborate, fib. dms., c.l., works. lb. .26 - —
l.c.l., works lb. .27 - —
Fluoride, dms., works lb. .24 - —
Gluconate, dms lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb. dms. 1 to 100 dms. lb. .28½- .33
Hypophosphite, NF, ton lots or less, fib. dms. lb. 1.00 - 1.03

Potassium iodide, dms lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., dms lb. .20 - .21
powd., dms. lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .43 - —
Trona, Cal. unit-ton. .53 - —
50-51% K_2O, paper bgs., Carlsbad, N. M ton 25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., rms. lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton 184.00 - —
ton lots, bbls., ex whse ton 261.00 - —
less ton lots, bbls., ex whse. ton 266.00 - —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .14½- .15½
Permanganate, tech., dms., works, lb. .22½- .23½
USP dms., works lb. .24¼- .30¼
Persulphate, dms., c.l., works lb. .18 - .19
l.c.l., works lb. .20 - .22
Phosphate, tetrabasic, bbls., works, lb. .16½- .18½
Prussiate, red, kgs lb. .60 - .63
yellow, dms., ton lots lb. .22½- —
smaller quantities lb. .23 - —
kegs lb. .25 - —
Silicate, glass, bgs., c.l., works 100 lbs. 14.70 - —
l.c.l. 100 lbs. 15.20 - —
solution, clarified, 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.50 - 5.65
l.c.l., 5 dms. or more, works 100 lbs. 6.25 - 6.65
tanks, works 100 lbs. 5.15 - 5.30

Potassium silicate, solut., tech., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 4.85 - —
l.c.l., dms., works 100 lbs. 5.35 - —
tanks works 100 lbs. 4.50 - —
32.5° Be., dms., c.l., works 100 lbs. 4.95 - —
l.c.l. works 100 lbs. 5.45 - —
tanks, works 100 lbs. 4.60 - —
40.5° Be., 1:2.0, dms., c.l., works 100 lbs. 5.45 - 6.70
l.c.l., 5 dms., works. 100 lbs. 5.95 - 7.85
tanks, works 100 lbs. 5.10 - 6.35
Silicofluoride, bbls., works lb. .09½- .10
Stannate, dms. frt. alld. E. lb. .740 - .796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90% ton. 36.25 - —
NF VII, cryst., dms lb. .31 - .33
gran., dms. lb. .18½- —
powder, dms. lb. .16½- .17
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms., 100-lb. lots or less lb. .87 - .94
tech., works lb. .77 - .79
Titanate, ctns., c.l., works lb. .12½- —
5-ton lots, works lb. .12¾- —
1-ton lot or less, works lb. .13 - —
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO ton 16.00 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .35 - .36
Oxalate, bbls., dms lb. .85 - .95

Phosphorus—Propyleneglycol Methylether

Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
t.c.l., works lb. .52½- .55
Pregnenolone, bots gm. 1.50 - —
Acetate bots gm. 1.25 - —
Prickly ash bark, bls lb. .55 Nom.
Berries, bgs lb. .70 .75
Prince's pine herb, bls lb. .60 .61
Procaine hydrochloride, USP, dms., frt. alld lb. 3.10 - 3.40
Progesterone, USP, 100 gms., bots gm. 1.75 - —
Propane, commercial grade tanks, group 3 gal. .04 - —
Propionaldehyde, dms. 5,000 lbs or more custom contract lb. .60 - —
Propyl acetate, normal, dms., c.l., dlvd lb. .125 - —
l.c.l. dlvd lb. .135 - —
tanks, dlvd lb. .1075- —
Aldehyde (see Propionaldehyde).
Gallate, dms., 2,000 to 100 lbs. lots, works lb. 3.90 - 4.40
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l., dlvd. E lb. .0845- .095
l.c.l., same basis lb. .0950- .1050
tanks, same basis lb. .07 - .08
Oxide, dms., c.l., dlvd. E lb. .19½- .20½
l.c.l., dlvd E lb. .20½- .21½
tanks, dlvd E lb. .17½- .18½
Propyleneglycol, industrial, dms., c.l., dlvd. E lb. .19¼- .21¼
l.c.l. same basis lb. .20¼ .22¼
tanks, same basis lb. .17½- .18½
USP dms., c.l. dlvd. E lb. .20¼- .21½
l.c.l., same basis lb. .21¼ .22¼
tanks, same basis lb. .18½- .19½
Methylether, dms., c.l., dlvd. E lb. .20 - —
l.c.l. same basis lb. .21 - —
tanks, same basis lb. .18½- —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Propylthiouracil—Sodium Prussiate

Propylthiouracil, bots., 50-kilo lots or more kilo. 55.00 - —
smaller lots kilo. 55 10 - 55 30
Psyllium seed, black, bgs. lb. .27 - .30
blonde, bgs. lb. .17 - .18
husks, bgs. lb. .50 - .51
Pulsatilla herb, bls lb. .53 - .53
Pumice, com. grd., coarse to fine, 0, ½, 1, 1½, 2, 3 bgs., ton lots lb. .03¾- .04¼
smaller lots lb. .03⅜- .04½
Italian, silk-screen, coarse, bags, ton lots lb. .06½- —
fine, bgs. ton lots lb. .04 - —
sun dried, coarse, bgs ton lots lb. 02½- .04
fine, bgs., ton lots lb 02½- .04
Pumice in bbls. is ½c per lb higher.
Pumpkin seed bgs lb. .18 - .20
Pyrethrin, synthetic (see Allethrin).
Pyrethrum flowers, fine grd. 0.9% pyrethrins bbls works. lb. .50 - —
powder, 1.3% pyrethrins, bbls., works lb. .71½- —
liquid (20 to 1) basis 2 grams pyrethrins per 100cc, odorless base, bbls works gal. 9.75 -10.50
(30 to 1) basis 3 grams pyrethrins per 100 cc odorless base, bbls., works gal. 15 75 - —
oleoresin dewaxed 20% for aerosol bombs, dms. works lb. 11 00 -12.00
Pyridin, denaturing, dms., c.l., works and frt. equald. gal. 2.80 - 2.82
l.c.l., same basis gal. 2.80 - 2.85
refd., 2°, non-ret, dms., l.c.l., same basis lb. .981 - 1.15
Pyridoxine hydrochloride, 100 gram bots gram. .55 - —
Pyrites long ton. No prices.
Pyrocatechol (see Catechol).
Pyrogallol, NF lb 3.25 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines ton 13.00 -13.50
No. 3, 200 mesh, bulk, c.l., mines ton 11 00 - —
rubber grade, 140 mesh, bgs. c.l., mines ton 11 50 -12.00
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton 12.50 - —
230 mesh bulk, c.l. mines ton 13.50 - —
325 mesh, bulk, c.l. mines ton 16 75 - —
Standard and No. 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra
Pyroxylin scrap, opaque, amber, cs., works lb. .15 - —
black, cs., works lb. .12 - —
mixed mottled, cs. works lb. .11 - —
white, china ivory cs., works, lb. .12 - —
dense cs., works lb. .12 - —
translucent, pastels, cs., works, lb. .14 - —
transparent, colorless, cs., works lb. .20 - —
colors, cs., works lb. .14 - —
shavings, opaque, amber, cs., works lb. .12 - —
mixed, colors, cs. works lb 12 - —
USP, bots. lb. 9.50 - —

Q

Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12¼- —
ordinary, 63% tannin, bgs., c.l., same basis lb. .11 31/64 —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .25 - .26
Quercitron extract, crystals, No 1, bbls., l.c.l. lb. .40 - —
liquid, No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver, flasks (76 lbs. net) flask. 212.00 -214.00
Quince seed, bgs lb. .80 - 1.50
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.90 - —
powd., precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.00 - —
Quinine, NF, cns., 100-oz. lots oz. .70 - —
Bisulphate, USP cns. 100-oz. lots oz. .51 - —
Dihydrochloride, USP cns oz. 70 - .72
Ethylcarbonate, NF, cns., 100-oz. lots oz. .75 - —
Hydrobromide, NF, cns. 50-oz cns. oz. .63 - —
Hydrochloride, USP, cns., 100-oz. lots oz. .63 - —
Phosphate, NF cns., 100-oz lots oz. .76 - —
Salicylate, NF cns., 100-oz lots oz. .86 - —
Sulphate, USP, cns., 100-oz lots oz. .56½- —
Quinine and Urea hydrochloride, NF cans oz. .68 - —
Quinolin, ret. dms., c.l., frt. equald. lb. .50¾- —
l.c.l., same basis lb. .51¾- —
tanks, same basis lb. .50 - —

R

R salt, paste, basis 100%, dms., frt. alld lb. .83 - —
powd., basis 100%, frt. alld lb. .88 - —
Raspberries, dried, bbls lb. 1.30 - 1.35
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light medium shades, bbls lb 2.75 - —
maroons, pure, bbls lb 1.75 - —
resinated bbls lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld, E. of Rockies lb. 4.30 - —
light shade, same basis lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium-light shade, bbls, same basis lb. 4.05 - —
orange shade, bbls., same basis lb. NP - —
lithopone, deep shade, bbls., same basis lb. 1.76 - —
light shade, bbls., same basis, lb. 1.61 - —
maroon shade, bbls., same basis lb. 1.85 - —
medium shade, bbls., same basis lb. 1.71 - —
medium-light shade, bbls., same basis lb. 1.66 - —
orange-red shade, bbls., same basis lb. 1.57 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Red, Indian, dom., pure, bgs., Bethlehem, Easton, E. St, Louis, N. Y lb. .12½- —
iron oxide, pure, 98% ferric oxide, bgs., c.l., works lb. .12¼- —
l.c.l., works lb. .12½- —
natural 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb. .05¾- —
Lake C. toner, alizarin, bbls., works lb 1.10 - 1.20
Lithol, toner, bbls., works lb. .79 - —
rubine, toner, pure, bbls., works lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia-type, bbls., works lb. 1.40 - —
Maroon toner, BON, arylid, dlvd. lb. 3.60 - 5.90
Cadmium, deep, bbls., works, lb 1.20 - —
regular, bbls., works lb 1.10 - —
MNPT toner, kgs., works lb 3.60 - —
Maroons in smaller pkgs 5c per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs, works lb 4.22 - —
smaller lots works lb 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l. works lb. .02¾- —
Oxide (see Red, iron oxide)
Persian gulf, bgs. c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para toner, bbls lb .85 - —
Chlorinated, kgs lb 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molyhdated, PMA., kegs lb. 4.90 - —
tungstated, PTMA, works, kegs, lb. 6.35 - —
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidin toner, deep shades, kgs., works lb. 1.40 - —
light shades, kgs., works lb. 1.40 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls, frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .0375
20%, bgs., works lb. .04 - —
25%, bgs., works lb. .0450- —
30%, bgs, works lb. .0475- —
35%, bgs, works lb. .05 - —
40%, bgs, works lb. .0525- —
Vermilion, Amer., bbls lb 32 - —
Quicksilver, ctns lb. 3.84 - —
Watchung-type, bbls. lb 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib., dms lb 4.37 - 4.41
Red saunders, NF powd., bbls lb. 35 - —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works lb. .82½- —
l.c.l., works lb. .83½- —
USP, cryst., dms., works lb 2.75 - —
powd., dms., works lb 2.95 - —
Monoacetate, NF, dms. lb 3.25 - 3.45
Rhatany root, bgs lb 15 - .16
Rhodinol, 5-lb. cans lb. 40.00 -56.00
Rhubarb root, China, whole, cs lb .85 - .86
powd., bbls lb. .95 - .96
India, whole, bgs lb. .35 - .36
powdered, bbls lb. 40 - .44
Riboflavin, USP, bots., dlvd kilo. 100.00 - —
readily soluble, bots., dlvd kilo. 100.00 - —
Rice bran, concentrate, dms., Cedartown, Ga lb. 79 - —
Rochelle salt, USP, gran., powd., dms., c.l. lb. .32½- —
5,000-lb. lots, dms., c.l. lb. .32½- —
smaller lots lb. .33½- .38½
Rose flowers, pale, bls lb. 45 Nom.
Rosemary flowers, bls lb. .95 - .96
Leaves, French, bls lb. .11 - .11½
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .09 - .09½
Rosin, gum and wood (see Naval Stores, Protective Coatings market).
Rotenone, CP, bbls., works lb. 20.00 - —
tech., bbls., works lb. 16.50 - —
Rottenstone (see Tripoli)
Rue herb, bls lb. .35 - .40
Rutin, NF, 25 kilo lots, fib. dms. kilo. 27.50 -40.00
10 to 25-kilo lots, fib. dms kilo. 28.50 -40.00
1 to 10-kilo lots, fib. dms kilo. 30.00 -40.00
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .60 - —
activated, ground with lime, bbls lb. .35 - .40
Saccharin, USP, gran., soluble, dms., 1000-lb lots lb 1.60 - —
smaller lots lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb 1.65 - —
smaller lots lb. 1.75 - 1.95
Saffower, Egyptian, ols lb. .60 - .65
Saffron, Mexican, bls lb .95 - .96
Spanish, USP, tins lb. 21.50 -23.50
Safrol dms lb. 72 - 1.35
Sage, Cretan, bls lb. .11 - .11½
Cyprus, bls lb. .09 - .09½
Dalmatian, bls lb. .43 - .44
Greek, bls lb. .11½- .12
Italian, Officinalis, bls lb. .18 - .20
Spanish, stemless, bls lb. .13 - .13½
Syrian, bls lb. .11½- .12
Turkish, bls lb. .12½- .13
Sago flour, raw, bgs lb. .07¾- .08
refined, bgs lb. .09 - .09¼
Sal soda (see Soda ash).
Salol, NF, gran., bbls., kgs lb 1.05 - —
fib. dms lb. 1.07 - 1.08
Powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l., works, 100 lbs. .63 - —
l.c.l. 100 lbs. 1.09 - —
Table, vacuum, common, fine, paper bgs. c.l. works 100 lbs. .77 - —
l.c.l., works 100 lbs. 1.12½- —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 17.00 - —
Saltpeter, cryst. bbls., 10-ton lots, 100 lbs. 14.40 - —
smaller lots 100 lbs 14.65 -14.90
powd., bbls., 20-ton lots 100 lbs. 10.75 - —
smaller lots 100 lbs 12.00 -12.50
gran., bbls. 20-ton lots 100 lbs 9.75 - —
smaller lots 100 lbs. 11.10 -11.50
NF, gran., dms 09¾- .17¼
Saltpeter in bags, 50c. per 100 lbs. less; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, dom., dms., cryst., powd., cns lb. 110.00 -120.00
imported, cryst., powd., cns lb. 112.50 - —
Saponin, No. 1, 100-lb. dm lb. 2.75 - —
Sarsaparilla root, dom., bls lb. .45 - .50
Honduras, bls lb. .38 - .40
Mexican, bls lb. .22 - .25
Sassafras root bark, ord., bls lb. .44 - .45
select bls lb. .55 - .56
Savory, French, bls lb. .21 - .21½
Spanish, bls lb. .14 - .16
Saw palmetto berries, bgs lb. .32 - .38
Scammony resin, lump, cns lb. 1.95 - 2.20
powd., cns lb. 2.05 - 2.30
Schaeffers salt, paste, dms., frt. alld. lb. .77 - —
powder, bgs., frt. alld lb .80 - —
Scopolamine hydrobromide, bots. oz. 14.00 -15.00
Hydrochloride, USP, bots oz. 8 1.00 - —
Seidlitz mixture, bbls., 5,000 lbs lb. 30½- —
smaller lots lb. .31 - .32
Selenium, powd., dms., dlvd lb. 3.25 - —
Senega root, bls lb. 2.15 - 2.20
Senna leaf, Alex., half-leaf, bls lb. .22 - .23
sifting, bgs. lb. .18 - .19
Tinnevelly, No. 1, bls lb. .20 - .21
No. 2, bls lb. .18 - .19
No. 3, bls lb. .14 - .15
powdered, bls., bxs lb. .17 - .18
Pods, bls lb. .35 - —
Serpentaria root, bls lb. 5.00 - 5.10
Sesame seed, Nicaragua, hulled, bgs. lb. .20½- .25
natural, bgs lb. .13¾- .14
Turkish, bgs lb. .15 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .43 - —
bbls., 1,500-lb. lots lb. .44 - —
kgs., 1,500-lb. lots lb. .46 - —
refined, bgs., 1,500-lb. lots lb. .53 - —
bbls., 1,500-lb. lots lb. .54 - —
kgs., 1,500-lb. lots lb. .56 - —
Bonedry shellac prices for less than 1,500-lb lots, 1c. per lb higher for all packages.
Lemon, No. 1, bgs lb. .32 - .34
No 2, bgs lb. .29 - .32
Superfine, bgs., 10-bg. lots lb. .28 - .30
TN, bgs, 10-bg. lots lb. .25 - .27
Shellac in 1 to 9 bg. lots, 1c. more.
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh bgs., c.l., Ill., works ton 25 00 - —
l.c.l., works ton 30 00 -40 00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton 20 00 - —
l.c.l., works ton 25 00 -30.00
140 mesh, bgs., c.l., works ton 15.00 - —
l.c.l., works ton 20 00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l. works lb. 20 - .28½
Silver bullion, ingots, cs lb. .85¼- —
Cyanide fib. dms., 2,500-oz. lots oz. .77¾- —
1,000-oz. lots oz. .77⅝- —
500-oz. lots oz. .77⅛- —
100-oz. lots oz. .78⅛- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .54¾- —
1,000-oz. lots oz. .56 - —
500-oz. lots oz. .56½- —
250-oz. lots oz. .57 - —
USP granular silver nitrate 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Simaruba bark, bls lb. .90 Nom.
Skullcap herb, Eastern, bls lb. .50 - .65
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. 60 - —
Slate flour, bgs., c.l., works ton 7.55 -13.00
l.c.l., ex whse ton 19.35 -27.35
Sloe berries, bgs lb. .24 - .28
Smalt, black, ctns lb. .15 - —
Blue, ctns lb. .18 - —
Snakeroot, Canada, bls lb. .75 - .80
Soapbark, bls lb. .28 - .30
crushed bls., bbls lb. .33 - .34
powd., bbls lb. .35 - .37
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs 1.60 - —
l.c.l. stock points 100 lbs. 2.85 - 4.62
bbls., c.l., works 100 lbs. 2.15 - —
l.c.l. stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works 100 lbs. 1.30 - —
light, 58% paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l. stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.05 - —
l.c.l. stock points 100 lbs. 3.25 - 5.02
bulk c.l. works 100 lbs. 1.20 - —
Soda, caustic, flake, powd., 76%, c.l., works 100 lbs 3.75 - —
l.c.l. stock points 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.55 - —
50% rayon-type tanks, works, dry basis 100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.65 - —
rayon type, tanks, works, dry basis 100 lbs. 2.75 - —
solid, 76%, dms., c.l., works 100 lbs. 3.35 - —
l.c.l. stock points 100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.70 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
l.c.l., dms lb. 12¾- —
NF, gran., dms., works lb. .08½- .16½
Alginate, refined, bbls., works lb. .83 - —
semi-refined, bbls., works lb. .54 - —
NF, white, powd., dms., ton lots, works lb. 1.30 - —
Antimoniate, bbls., c.l., dlvd, E. lb. .27½- —
l.c.l., dlvd. lb. .29 - —
Arsenate, dms., c.l., works lb. .12½- —
l.c.l. dms., works lb. .13¾- .14¾
Arsenite, dms., c.l., works lb. .13½- —
l.c.l., dms. works lb. .14¼- .15¼
solution, dms., works gal. 70 - 1.10
Ascorbate, dms., 25-50 kilo lots kilo. 21.00 - —
10 kilo lots kilo. 21.35 - —
5 kilo lots kilo. 21.75 - —
1 kilo lots kilo. 22.00 - —
500 gram lots, bots kilo. 22.50 - —
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .37½- .39
USP, bbls., dms., 100 lbs. or more lb. .44½- .46
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 3.15 - —
powd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.75 - —
Bichromate, bgs., c.l., works lb. .11 - —
l.c.l., same basis lb. .11¼- .12
Bifluoride, bbls., c.l., works, frt. equald lb. .1375- —
l.c.l., same basis lb. .1415- —
Bisulphate, bulk, c.l., works, 100 lbs. 2.00 - —
dms., c.l., works 100 lbs. 2.65 - 3.85
l.c.l., works 100 lbs. 3.05 - 3.65
Bisulphite, anhyd., bgs., c.l., works, 100 lbs. 4.05 - —
l.c.l., works 100 lbs. 4.30 - —
solut. 35°, bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.80 - —
Borate (see Borax)
Bromide, USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, jars, dms lb. 8.52 - —
Carbonate, anhydrous (see Soda ash), crystalline, decahydrated (see Soda sal), monohydrated, bgs., c.l., works, 100 lbs. 2.65 - —
l.c.l., works 100-lbs 3.05 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works, lb. .08¼- —
l.c.l., works lb. .08¾- .09¼
Chloride, tech (see Salt).
USP, dms lb. .05 - .12
Chlorite, tech., dms., works lb. .58 - .73
Sodium chloroacetate, tech., dms., c.l., works lb. .24 - —
l.c.l., works lb. .25 - .26
Chromate, dms., c.l., works lb. .12¾- —
l.c.l. same basis lb. .13 - .13¾
Citrate, anhyd., dms lb. .60 - .65
USP VIII, gran., dms lb. .22½- .29½
USP XIV, gran., dms lb. .28 - .34
Sodium citrate USP powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots, works lb. 1.00 - 1.25
Cyanide flake, 96-98% dms., c.l., or 20,000-lb. lots lb. .168 - —
over 1,000 lbs lb. .178 - —
100-lb. to 1,000-lb. lots lb. 188 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l., dms lb. .14¾- —
anhydrous, dms., c.l., works lb. .17 - —
l.c.l. lb. .17¾- —
Fluoride, white, 90%, bbls., c.l., works lb. .11 - —
l.c.l., works lb. .1140- —
95%, bbls., c.l., works lb. .1125- —
l.c.l., works lb. .1165- —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16 50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21 00
Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs 8.15 - 8.45
Gentisate, 100-lb fib dms lb 8.50 - —
Gluconate, technical, bgs lb. .35 - —
refined technical, dms lb. .80 - .83
Glutamate, monobasic, dms, c.l lb. 1.67 - 1.69
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls lb. 1.85 - 2.00
solution, 75%, cbys lb. 1.06 - 1.21
Hydride, dms., works lb. 2.00 - 3.00
smaller lots, dlvd lb. 1.66 - —
Hydrosulphide (see Sodium sulphyhydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .24½- —
l.c.l., frt. alld lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF pellets, 100-lb dms., 1 to 100 dms lb. .18½- .23
Hypophosphite, NF, dms, ton lots or less lb. .95 - .98
Hyposulphite, photo grade, bgs., c.l., works 100 lbs. 4.00 - 4.25
l.c.l., same basis 100 lbs. 4.65 - 7.15
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works. 100 lbs. 5.00 - —
tech., bgs., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.40 - 6.90
Sodium, hyposulphite crystals in bbls. 50c. higher.
NF (see Sodium thiosulphate).
Iodide, USP, bots., dms lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms cbys. works lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., dlvd. lb. .25 - —
l.c.l., dlvd. lb. .26 - —
tanks, dlvd. lb. .23 - —
Metabisulphite, see sodium bisulphite
Metaborate, octahydrate, gran., bgs., c.l., works ton 78.50 - —
l.c.l., ex whse ton 124.50 -129 50
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
tetrahydrate, c.l., bbls., works. ton 199 50 - —
Metallic, tanks, works lb. .16 - —
bricks, bbls., works lb. .17 - .19
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 4.70 - —
l.c.l., works 100 lbs. 4.95 - 5.45
dms., c.l. 100 lbs. 5.05 - —
l.c.l. 100 lbs. 5.30 - 5.55
Pentahydrate, bgs., c.l., works, 100 lbs. 3.80 - —
l.c.l., bgs., works 100 lbs. 4.15 - 4.55
dms., c.l., works 100 lbs. 4.20 - —
l.c.l., works 100 lbs. 4.55 - 4.95
Molybdate, crystals, bbls., works lb. .75 - .85
powd., anhy., dms., works lb. 1.05 - 1.06
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, bgs., c.l., works. ton 51.00 - —
bulk, c.l., works ton 47 50 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse ton 57.00 - —
bulk c.l. same basis ton 53.50 - —
Nitrite, bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP, gran., dms lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works, 100 lbs. 5.85 - —
l.c.l., works 100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.50 - —
Oxalate, neut., bgs., works lb. .1040- —
Para-aminobenzoate, dms., 1,000-lb. lots or more lb. 3.00 - —
smaller lots lb. 3.05 - 3.40
Para-animosalicylate, dms, 1,000-lb. lots, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½- —
l.c.l., same basis lb. .26½- .28½
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .26 - 28
powdered, bgs., c.l., same basis, lb. .24 - —
l.c.l., same basis lb. .25 - 27
Pentachloropnenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .193 - —
l.c.l., works lb. .198 - —
Peroxide, dms., c.l., dlvd, E. of Miss lb. .1860- —
l.c.l., same basis lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, diabasic, anhyd., bgs., c.l., works 100 lbs. 7.25 - —
l.c.l., works 100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works lb. .19 - .20½
duohydrate, bgs., c.l., works, 100 lbs. 6.65 - —
l.c.l., works 100 lbs. 7.05 - —
tribasic, cryst., bgs., c.l., frt. equald lb. .
l.c.l., same basis 100 lbs. 4.45 - 8.20
Sodium phosphates in bbls. 40c. higher than bgs.
Prussiate yellow, bgs., 10-ton lots. lb. .13½- —
smaller lots lb. .14 - —
monobasic, anhyd., bgs., c.l., works 100 lbs. 8.05 - 8.30
l.c.l., works 100 lbs. 8.45 - 8.70
100 lbs. 4.05 - 5.30

IMPROVED VITAMIN D STABILITY

SIMPLER HANDLING

REDUCED PRODUCTION COSTS AND TIME

A New, Dry Pfizer Product

Combines

Vitamins A and D

in the form of

Crystalets®

• You've acclaimed Pfizer Vitamin A Crystalets for their exceptional stability and ease of handling. Now, Pfizer announces a new combination product—Vitamin A and D Crystalets—with the same advantages as Vitamin A Crystalets. Here are the important features:

Ease of Handling. Vitamin A and D Crystalets are readily tabletted or incorporated into capsules and dry mixtures. One manufacturing step is eliminated since it is no longer necessary to absorb Vitamin D oil on a carrier prior to mixing. This elimination of a carrier will result in a significant reduction in the size of capsule or tablet, too.

Outstanding Stability. In biological tests, Vitamin D retained its potency when stored at 45° C for six weeks. Chemical assays showed the loss of potency of Vitamin A under the same conditions to be less than 10%—the same high stability demonstrated by Crystalets containing Vitamin A alone.

Improve Vitamin D Stability... Simplify handling. Cut time and production costs. Try Vitamin A and D Crystalets today. In ordering, remember...

Vitamin A and D Crystalets are available in two different ratios:

Vitamin A and D Crystalets — 5:1. 500,000 units of Crystalline Vitamin A Acetate and 100,000 units of Crystalline Vitamin D_2 per gram.

Vitamin A and D Crystalets — 10:1. 500,000 units of Crystalline Vitamin A Acetate and 50,000 units of Crystalline Vitamin D_2 per gram.

They are available in fine, medium and coarse particle sizes. Shipped in amber bottles and polyethylene-lined drums.

For more data send for Pfizer Technical Bulletin No. 51.

CHAS. PFIZER & CO., INC.
630 Flushing Ave., Brooklyn 6, N. Y.
Branch Offices: Chicago, Ill., San Francisco, Cal., Vernon, Cal., Atlanta, Ga.

Pioneers and Leading Manufacturers of Vitamins

Pfizer

Sodium pyrophosphate, acid, bgs., c.l., works, frt, equald. 100 lbs. 10.00 -10.75
ferric, dms., 1,500-lb. lots, works lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald. 100 lbs. 7.50 - —
t.c.l., frt. equald 100 lbs. 7.90 - —
Salicylate, USP, dms lb. .63 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
t.c.l., dlvd., zone 1 100 lbs. 3.85 - 4.10
zone 2 100 lbs. 4.10 - 4.35
zone 3 100 lbs. 4.40 - 4.65
zone 4 100 lbs. 5.10 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me. N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 96°. Kan. Neb W. of 95°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah Wyo. and El Paso, Tex.

bbls., c.l. works 100 lbs. 2.45 - —
Sesquisilicate, anhy., dms., c.l., works 100 lbs. 5.50 - —
t.c.l., works 100 lbs. 7.00 - —
hydrated bgs., c.l., works 100 lbs. 4.25 - —
t.c.l., bgs., works 100 lbs. 4.60 - 5.00
Silicate, liquid, 40° 1:3.2, turbid., dms., c.l., works 100 lbs. 1.25 - —
t.c.l., works 100 lbs. 1.60 - 2.00
tanks, works 100 lbs. .90 - .95
47°, turbid., 1:2.9, dms., c.l., works 100 lbs. 1.80 -1.90
t.c.l., dms., works 100 lbs. 2.15 - 2.55
tanks, works 100 lbs. 1.45 - 1.55
52°, turbid., 1:2.4, dms., c.l., works lb. 2.10 - —
t.c.l., works 100 lbs. 2.45 - 2.85
tanks, works 100 lbs 1.75 - —
solid, 1:3.2, bgs., works ton.52.50 -55.00
Silicofluoride, bgs., c.l., works lb. .070 - —
t.c.l., works lb. .075 - .075
Stannate, dms., works, frt. alld. E lb. .660 - .716
Stearate tech., dms., works lb. .43 - .44
USP, dms., works lb. .70 - .75
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF, VII, dried, powd., dms lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.25 - —
t.c.l., works, same basis. 100 lbs. 2.50 - 3.00
rayon grd., bgs., c.l., works. ton.27.00 - —
t.c.l., works ton.33.00 - —
USP, cryst., fib. dms lb. .17½- .18
gran., fib. dms lb. 17½- .18
Sulphide, flake, bbls., c.l., works, E., frt. equald ton.100.00 - —
t.c.l., same basis ton.108.00 - —
fused, bbls., c.l., works, E. frt. equald ton.88.50 - —
t.c.l., same basis ton.98.50 - —
Sulphite anhyd., bgs., c.l., works. 100 lbs. 2.73 - —
t.c.l., same basis 100 lbs. 3.33 - 5.58
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 - —
t.c.l., same basis 100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
t.c.l., works 100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l. ton.115.00 - —
t.c.l., works ton.125.00 - —
liquid 34-40%, 100% basis, tanks, works ton100.00 -117.60
Tetraborate (see Borax).
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03½- —
t.c.l., works lb. .04 - —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5 tons, works lb. .10¾- —
1 ton or less, works lb. .11 - —
Trichloroacetate 90%, 100-lb. dms., c.l., frt. alld., E lb. .37½- —
t.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E lb. .38 - —
t.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E lb. .44 - —
t.c.l., frt. adjusted, E lb. .46 - —

Prices West of the Rockies are 1¼c. per pound higher.

Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.85 - —
t.c.l., same basis 100 lbs. 8.25 - —
Trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 7.75 - —
t.c.l., works 100 lbs. 8.50 - 8.90
dms., c.l., works 100 lbs. 8.15 - —
t.c.l., works 100 lbs. 8.90 - 9.30
Tristearate, fib. dms., 20,000 lbs., works lb. .33 - —
10,000 to 20,000 lbs., works lb. .35 - —
smaller lots, works lb. .38 - .40
Tungstate, tech., kgs., dlvd. E lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchopnen (see Cinchophen-sodium).
Sodium-formaldehyde sulphoxylate, c.l., dms., dlvd. lb. .25½- —
t.c.l., same basis lb. .26 - —
Sodium sulpha, drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .23 - —
less than 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, refined, tanks, works gal. .31 - .32
high-flash, tanks, works gal. .31 - .32
petroleum, 100°F., flash tanks, Baytown, Tex. gal. .31 - —
Bayonne gal. .32 - —
150°F., flash, tanks, Baytown, Tex. gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works lb. .37 - .39
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton-lots to 5 tons, works lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb. .25 - —
less ton lots, works lb. .25¼- —
tanks, works lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16 - —
ton lots, works lb. .16¾- —
less ton lots, works lb. .17 - —
tanks, works lb. .15 - —

Soybean meal, 44% bulk, Decatur. ton.67.00 -67.50
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .23½- —
20,000 to 40,000 lbs., same basis lb. .23¾- —
100 to 20,000 lbs., same basis lb. .24¼- —
mechanically refined, bgs., 40,000 lbs., same basis lb. .0605- —
20,000 lbs., same basis lb. .0620- —
smaller lots same basis lb. .0635- —
Sparteine sulphate, cns. oz. .85 - 1.25
Spearmint leaves, bls lb. .60 - .65
Spikenard root, bls lb. .45 - .46
Spruce extract liq. reg., tanks, works lb. .01¾- —
powd. super bgs., c.l., works. lb. .05½- —
t.c.l., works lb. .05¾- —
Squaw vine leaves, bls lb. .45 - .46
Squill red fortified powd., bbls. boxes lb. 1.60 - —
white, bls. lb. .12 - .15
powd., bbls., bxs lb. .18 - .21
St. John's bread edible, bls lb. .10 - 13
Stannous chloride (see Tin chloride stannous)
Star-root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y. 100 lbs. 7.14 - —
t.c.l. 100 lbs. 7.29 - —
powd., paper bgs., c.l. 100 lbs. 7.26 - —
t.c.l. 100 lbs. 7.32 - —

Prices for corn starch in cotton bags 25c. per 100 lbs. higher.

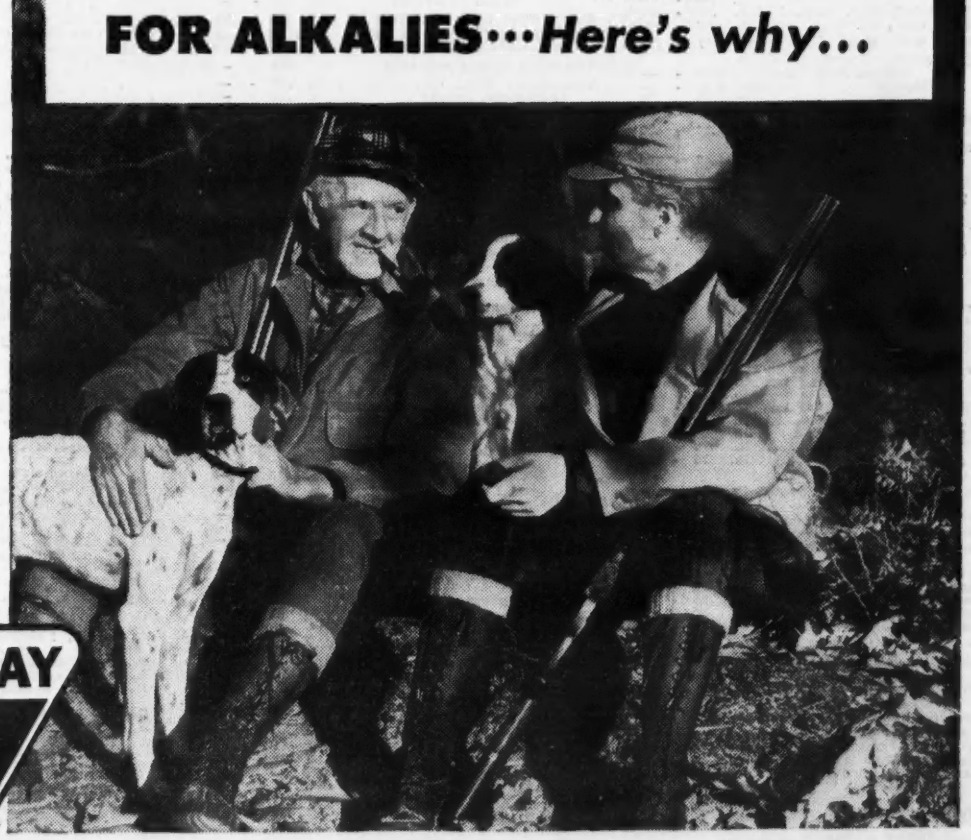
Potato, dom., Idaho, bgs., c.l., works lb. .08½ Nom.
Maine, bgs., c.l., works lb. No stocks.
t.c.l., spot lb. .11½- .12
imported, bgs., t.c.l. lb. .09½- .10¼
Rice, t.c.l., bgs lb. .15 - .17
Wheat, bgs lb. .0675- .0710
Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb. .30 - .31
Stomach substance, not USP, fib. dms. lb. 2.95 - 3.10
Stoneroot, bls lb. .07½ .08
Storax, USP, cs. lb. .90 - 2.05
Stramonium leaves, bgs lb. .16 - .18
Streptomycin either hydrochloride or sulphate, bulk, gram. .15 - —
lb. .77 - .78
Carbonate, 92%, dms lb. .23 - —
Chloride, tech., bbls lb. .24 - .26
Chromate, bbls., works lb. .46 - —
Iodide jars, 25-lb. lots lb. 3.37 - —
Nitrate, bbls., cs. works lb. .10¼ - .11
Oxalate, bbls., works lb. No prices.
Salicylate, NF dms lb. 1.65 - —
Sulphate, air floated, 90%, 325 mesh bgs., works ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent dms., works lb 2.80 2.85
Strophanthin, NF bots oz.25.00 -25.50
Strophanthus seed, Komba, biologically tested, bgs lb. 3.25 - —
Strychnine, NF, powd. cans, 100 ozs oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
t.c.l., works lb. .23¼- —
tanks, works lb. .21 - —
Styrolyl acetate, bots lb. 1.45 - 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb bgs., t.c.l., works lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms lb 4.00 4.50
Sodium, dms lb. 4.10 4.60

Sulphacetamide, fiber dms lb. 4.00 4.20
Sodium, fib. dms lb. 5.00 5.20
Sulphadiazin, USP, microcrystals, dms lb.10.60 -11.10
powder, dms lb.10.25 -10.75
Sulphadiazin-sodium, USP, dms lb.11.25 -11.75
micro crystals, dms lb.10.60 -11.10
Sulphaguanidin USP, dms lb. 4.00 - 4.50
Sulphamerazin, USP, micro crystals, lb.10.65 -11.15
Sulphamerazin-sodium USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 9.40
powder, dms lb. 8.50 9.00
Sulphanilamide, USP, 30-80 mesh., dms lb. 1.40 1.60
microcrystals, dms lb. 1.70 1.90
powder, dms lb. 1.30 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 6.50 6.75
Sulphapyridin, NF powd., bots. tins. lb. 7.00 7.50
Sulphapyridin-sodium monohydrate, dms lb. 7.50 8.00
Sulphathiazole, USP, micro crystals, dms lb. 3.15 3.30
powder, dms. lb. 2.80 2.95
Sulphathiazole-sodium, USP, dms., lb. 2.80 2.95
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 - —
bbls., mines 100 lbs. 2.20 - —
lump, bgs., mines 100 lbs. 1.70 - —
bbls., mines 100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract. long ton.21.00 -22.00
f.o.b. vessels, Gulf ports, export long ton.25.00 -27.50
domestic and Canada long ton.22.50 -23.50

"WHERE DO YOU GET YOUR ALKALIES, JIM?

"I ALWAYS GO TO SOLVAY *FIRST* FOR ALKALIES···*Here's why...*

REG. U. S. PAT. OFF.



SOLVAY

Soda Ash
Caustic Soda
Caustic Potash
Chlorine
Potassium Carbonate
Calcium Chloride
Sodium Bicarbonate
Specialty Cleansers
Sodium Nitrite
Monochlorobenzene
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Ammonium Chloride
Sesquicarbonate of Soda

···First off, I've found that Solvay always takes care of its customers—in good times and bad! I know I can really depend on Solvay in a pinch.

I also like the treatment I get from the sales staff—always courteous and helpful. And it's convenient doing business with Solvay because one of their sales offices is located near me.

In addition, I feel that when I buy alkalies, I might as well get the "extras" that Solvay offers ...like the Solvay Technical Bulletins that give you the kind of information no other technical bulletins have. Same with the Solvay Technical Service staff, a group that operates on an industry-wise basis, with men who are experts in individual industries.

Then Solvay has over 200 local stock points that practically cover the country, and three centrally located plants. This makes for better delivery service.

And, of course, I know I get dependable quality and uniformity when I order from America's oldest and largest producer. That's why I always go to *Solvay first* for alkalies.

SOLVAY PROCESS DIVISION
Allied Chemical & Dye Corporation
61 Broadway, New York 6, N. Y.

BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
Houston • New Orleans • New York • Philadelphia • Pittsburgh
St. Louis • Syracuse

Sulphur, Refined—Xylol

Sulphur, refined, flowers, USP, bgs., mines..100 lbs. 3.60 • —
bbls. ..... 100 lbs. 4.75 • —
flour, light, bgs., mines 100 lbs. 3.35 • —
bbls., mines ..... 100 lbs. 4.25 • —
lump, bgs., mines ..... 100 lbs. 2.90 • —
rolls, bgs., mines ..... 100 lbs. 3.35 • —
bbls., mines ..... 100 lbs. 3.80 • —
salt block, bgs., mines 100 lbs. 3.10 • —
virgin block, bbls., mines 100 lbs. 3.05 • —
rubbermakers, com'l, regular bgs., mines..100 lbs. 2.25 • —
bbls., mines 100 lbs. 2.40 • —
99-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 • —
bbls., mines ..... 100 lbs. 3.40 • —
refined, bgs., mines ... 100 lbs. 2.85 • —
bbls., mines 100 lbs. 2.95 • —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 • —
bbls., mines ..... 100 lbs. 3.80 • —
10% pine tar, bgs. mines. 100 lbs. 3.65 • —
Dichloride, dms., c.l., works, frt. equald lb. .03½- —
l.c.l., same basis ..... lb. .04¼- —
tankcars, same basis..... lb. .03¼- —
Dioxide liquid, com'l, cyls., works lb. .09 • —
multi unit cars, works .. lb. .0535- —
tanks, works ..... lb. .045 • —
refrigeration cyls. l.c.l. dlvd. lb. .20 • .36
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03½- —
l.c.l. same basis ..... lb. .04¼- —
tanks, same basis..... lb. .03¼- —
washed, NF bot..... lb. .11 • —
Sumac leaf, 28%, bgs., ex-dock, short-ton.115.00 • —
ground, same basis.....ton.115.00 • —
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Baltо unit-ton. .86 • —
Carteret, N J unit-ton. .86 • .88
triple, 48% or more, a.p.a. pulv., bulk, East Tampa, Fla .. unit-ton. .91 • —
Sweet basil, California, bgs .... lb. 1.05 Nom.
imported, bgs., futures.....lb. .95 • 1.35

T

2,4,5-T, dms., cl., works.....lb. 1.40 • —
l.c.l., works.....lb. 1.45 • 1.50
Isopropyl ester dms. c.l., works. lb. 1.45 • —
l.c.l., works.....lb. 1.50 • 1.57
Talc, dom., ordinary, Calif., grd., bgs., c.l., works ton.25.00 -35.00
Vermont off color, grd., bgs., c.l., works ton.14.00 • —
l.c.l., works ton.17.50 • —
fibrous, New York, grd., bgs., c.l., works ton.25.00 -30.00
l.c.l. ton.28.00 -35.00
99.5%, 325 mesh, bgs., c.l., works ton.27.00 • —
l.c.l., works ton.30.00 -32.00
99.95%, micronized, bgs., works, ton.36.00 • —
imp. Canadian, grd., bgs., c.l., mines ton.15.25 -35.00
Tallow, edible, tanks, dlvd.....lb. .06½- —
inedible, extra.....lb. .04¼- —
fancy .....lb. .04½- —
No. 1 .....lb. .04 • —
special .....lb. .04¼- —
sulphonated, 25%, dms., l.c.l.lb. .05½- .05¾
50%, dms., c.l. .....lb. .06¼- .06½
Tamarind, W.I., bbls ..... lb. .11 • .12
Tankage, animal, feeding, 9-11% ammo, bulk..unit-ton. 6.00 • —
Chicago .....unit-ton. 6.75 • —
Tansy leaves oil ..... lb. .25 • .30
Tapioca flour, high grade, ex whse., bgs..lb. .14 • .20
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .47 • .49
l.c.l., same basis....gal. .50 • .51
tanks, same basis.....gal. .39 • —
25-28%, dms., c.l., same basis. gal. .54 • .56
l.c.l., same basis....gal. .57 • .58
tanks, same basis .....gal. .46 • —
50-53%, dms., c.l., same basis. gal. .70 • .72½
l.c.l., same basis....gal. .73½- .74½
tanks, same basis.....gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs..... lb. .45 • .50
Leaves, bgs..... lb. .65 • .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 • .59
dms. ..... lb. .57 • .60
USP, powd., bbls., dms., kgs lb. .61 • .62
Terpin hydrate com'l bbls., c.l lb. .24¼- —
l.c.l. ..... lb. .25 • .25½
NF, cryst., fib. dms..... lb. .70 • .80
powd., fib. dms..... lb. .75 • .85
Terpineol, alpha (see A).
commercial, dms., c.l., South lb. .13½- —
l.c.l., South ..... lb. .14 • —
extra, dms..... lb. .48 • .60
prime, dms..... lb. .36 • .45
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l. works ..... lb. .25½- —
tanks, works ..... lb. .22 • —
Terpinyl acetate, extra, cns., dms.lb. .55 • .70
prime, dms ..... lb. .55 • .60
Propionate, dms..... lb. 1.75 • 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 1.90 • —
Propionate, USP, 100 gms., bots. gm. 1.90 • —
Tetrachloroethane, dms., works lb. .12½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works .... lb. .20½- .21½
smaller, dms., works ..... lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works lb. .71 • —
l.c.l. ..... lb. .72 • —
Pyrophosphate, 40%, cns., dms., dlvd lb. .714 • —
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½- —
l.c.l., dlvd. E ..... lb. .58½- —
tanks, dlvd E ..... lb. .56 • —
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thalium metal, dlvd ..... lb.12.50 -15.00
Sulphate, 99%, bots., dlvd....lb.10.50 -13.00
Theobromine fib. dms.....lb. 3.75 • —
Salicylate, fib. dms.....lb. 4.25 • —
Sodio-salicylate, fib. dms.....lb. 3.10 • 3.15
With sodium acetate, USP, dms.lb. 3.80 • 3.85
Theophylline, anhydrous or USP, 100-lb. dms lb. 4.40 • 4.45
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms...kilo.135.00 • —
Mononitrate, USP, fib. dms..kilo.135.00 • —
Thiocarbanilide, dms..... lb. .44 • .51
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works..... lb. 1.99¾- —
l.c.l., same basis..... lb. 2.00 • —
Thiourea, tech., dms., c.l., works.lb. .43½- —
l.c.l., works..... lb. .45½- —
100-lb. lots or more,
Thorium nitrate, purified, fib. dms., works..lb. 3.50 • —
Threonine dextro laevo, bots., 1-kilo lots..kilo.600.00 • —
Thyme, French, bgs.....lb. .22 • .25
Spanish, bls. .....lb. .09 • .09½
Thymol, fib. dms.....lb. 3.10 • —
Iodide, NF, dms.....lb. 6.30 • —
Timbo root (see Cube root).
Tin chloride, stannous, anhyd., dms. works lb. .98½- .99½
Crystals, hydrous, bgs., bbls., works lb. .80¾- —
Metal .....lb. 1.21½- —
Oxide, dms.....lb. 1.23 • 1.24
Sulphate, stannous, bbls.....lb. 1.09 • 1.11
Tetrachloride, anhyd., dms., works. lb. .89 • .90
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd.lb. .21 • .21½
l.c.l., dlvd. ..... lb. .22 • .22½
regular, bgs., c.l., dlvd ....lb. .21 • .21½
l.c.l., dlvd. ..... lb. .22 • .22½
ceramic, bgs., c.l., dlvd..... lb. .21 • .21½
l.c.l., dlvd ..... lb. .22 • .22½
metallurgical, natural granular, bgs., c.l., f.o.b. Jacksonville, Fla ton.110.00 • —
c.l., Niagara Falls, N. Y. ton.127.50 • —
5 tons, same basis ton.132.50 • —
ton lots, same basis ton.137.50 • —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 • .23½
l.c.l., dlvd. E ..... lb. .24 • .24½
Hydride, cns., works..... lb. 7.95 • 9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd..lb. .08 • .08½
Titanium dioxide and pigment in bbls., ¼c. higher, Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.
Tetrachloride, tech., dms., c.l., works..lb. .45½- —
l.c.l., works ..... lb. .48½- .56½
tankcars, works..... lb. .44½- —
Toludin base, distilled, kgs .... lb. 1.30 • —
Tolu balsam, cns., dms.....lb. 3.00 • 4.25
Toluene (see Toluol).
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa ..... gal. .32 • —
Birmingham dist..... gal. .30 • —
Chicago dist ..... gal. .30 • —
Cleveland dist..... gal. .32¼- —
Geneva, Utah ..... gal. .26 • —
Hamilton, Ohio ..... gal. .32 • —
Johnstown, Pa ..... gal. .30 • —
Lackawanna, N. Y.... gal. .33 • —
Lone Star, Tex..... gal. .35 • —
Lorain, Ohio ..... gal. .31 • —
Minnequa, Colo..... gal. .32 • —
Philadelphia, Pa..... gal. .33½- —
Pittsburgh dist..... gal. .30 • —
Sparrow's Point, Md gal. .32 • —
Syracuse, N. Y..... gal. .30½- —
Terre Haute, Ind..... gal. .33½- —
Wyandotte, Mich..... gal. .34¼- —
Youngstown, Ohio gal. .30¼- —
Petroleum, industrial, 2° tanks, works, Albany, N. Y..gal. .33 • —
Bayonne, N. J..... gal. .33 • —
Baytown, Tex..... gal. .31 • —
Chicago, Ill ..... gal. .33 • —
Detroit, Mich..... gal. .33 • —
Philadelphia, Pa..... gal. .33 • —
Providence, R. I..... gal. .33 • —
Wood River, Ill..... gal. .33 • —
Tonga, 50% bark and vine, bls lb. .60 • .65
Tonka beans, Angostura, cks ... lb 1.75 • 1.80
Brazilian, Surinam, cs ..... lb. 1.10 • 1.25
Totaquine, 100-oz lots, cns..... oz. .42 • —
Toxaphene, dms., c.l., works....lb. .17 • —
truckloads, works.....lb. .17 • —
ton to truckloads, works....lb. .20 • —
less than ton, lots, works....lb. .23 • —
Triacetin, dms., c.l., dlvd. E, of Rockies lb. .42¾- —
l.c.l., same basis..... lb. .43¾- .45½
tanks, same basis..... lb. .41 • —
Tributyl citrate, tech., dms., c.l lb. .40½- —
l.c.l. ..... lb. .41½- —
tanks ..... lb. .39 • —
Phosphate, dms., c.l., frt. alld lb. .51¾- .63½
l.c.l., same basis..... lb. .52¾- .64½
tanks ..... lb. .50 • —
Tributylamine, dms., c.l., works, lb. .73½- —
l.c.l., same basis..... lb. .75 • —
tanks, same basis..... lb. .72 • —
Trichlorobenzene dms., c.l., works, frt. alld lb. .12½- —
l.c.l., frt. alld..... lb. .13½- —
tanks, frt. alld..... lb. .11 • —
Prices in the West 1¼c. higher.
Trichloroethane, dms., c.l., works lb. .13 • —
l.c.l., works..... lb. .13½- —
tanks, works..... lb. .11½- —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald..lb. .11 • —
dlvd. E. ..... lb. .12½- —
l.c.l., works, frt. equald..... lb. .11½- —
dlvd. E. ..... lb. .13½- —
tanks, works, frt. equald..... lb. .10 • —
dlvd. E. ..... lb. .11 • —
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted. lb. 1.40 • 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd..lb. .34¾- —
l.c.l., dlvd. ..... lb. .35¾- —
tanks, dlvd..... lb. .33 • —
petroleum, dms., c.l., dlvd lb. .34¾- —
l.c.l., dlvd. ..... lb. .35¾- —
tanks, dlvd. ..... lb. .33 • —
Triethanolamine, dms., c.l., dlvd. E lb. .26¼- —
l.c.l., same basis..... lb. .27¼- —
tanks, same basis..... lb. .24½- —
Triethylamine cms., c.l., works, dlvd. E..lb. .45½- —
l.c.l., same basis ..... lb. .46½- —
tanks, same basis ..... lb. .43¾- —
Triethyl citrate, tech., dms., c.l lb. .37½- —
l.c.l. ..... lb. .38½- —
tanks ..... lb. .36 • —
Phosphate dms., works, c.l..... lb. .38 • —
l.c.l., same basis..... lb. .39 • —
tanks, same basis..... lb. .37 • —
Triethyleneglycol, dms., c.l., dlvd. E. lb. .23¼- —
l.c.l., same basis..... lb. .24¼- —
tanks, same basis..... lb. .21½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½- —
l.c.l., dlvd. E..... lb. .49½- —
tanks, dlvd. E..... lb. .47 • —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis lb. .38 • —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald., 100% basis lb. .33 • —
Tripentaerythritol, bgs., c.l., works. lb. .36½- —
l.c.l., same basis..... lb. .39½- —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .37 • —
l.c.l., frt. equald ..... lb. .38 • —
Triphenylguanidine, bbls., works lb. .90 • —
Tripoli, air floated, bgs., c.l., works. lb. .02 • —
double grd., bgs., c.l., works lb. .0185- —
single grd., bgs., c.l., works....lb. .0175- —
Tripropyleneglycol, dms., c.l., frt. alld..lb. .26½- —
l.c.l., frt. alld..... lb. .27½- —
tanks, frt. alld..... lb. .24½- —
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Trisodium phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:80, dms., works lb. 5.00 • 5.50
Tryptophane, dextro-laevo, fib. ctns. works..kilo.165.00 • —
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 7.75 • —
Turmeric root, Alleppey, bgs....lb. .21 • .22
Haitian, bgs. .....lb. .11 • .12
Madras, bgs. .....lb. .11 • .11½
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots.....gram. 1.00 • 1.10

U

Urethane, USP, dms..... lb. 1.50 • —
Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, bgs .... lb 2.35 • —
yellow, kgs ..... lb. 1.65 • —
Urea, dom., 46%, N bgs., c.l., wks. lb. .03½- —
l.c.l., works ..... lb. .06 • —
44% N, bgs., c.l., 30 tons, frt alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.142.00 • —
l.c.l., dlvd ..... ton.146.00 • —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W Va ton.120.00 • —
C and D grades, tankcars, same basis ton.118.50 • —
37 grade, tankcars, same basis. ton.147.50 • —
Uva ursi leaves, bls..... lb. .12 • .14

V

Valerian root, Belgian, NF, bls..lb. .42 • .43
Valine dextro-laevo, dms., works.lb.21.00 -27.50
Valonia, beards, 40-42% tannin, bgs., ex dock ton.85.00 • —
cups, 28-30% tannin, bgs., ex dock. ton.64.00 • —
extract, powd., bgs., ex dock, duty extra lb. .09½- —
Vanadium pentoxide, CP, bgs., cns, contract, works lb. 7.00 • —
tech., dms. works lb 1.28 • 1.33
Vanilla, beans, Bourbon, tins....lb. 4.50 • 4.75
Mexican, cuts, tins.....lb. 4.00 • 4.25
whole, tins .....lb. 4.50 • 5.00
Tahiti cs .....lb 3.00 Nom.
Vanillin, ex eugenol, tins, 25 lbs..lb. 6.50 • —
smaller lots .....lb. 6.75 • 7.00
ex guaiacol, tins, 25 lbs .....lb. 3.00 • —
smaller lots .....lb. 3.05 • 3.15
ex lignin, tins, 25 lb. lots....lb 3.00 • —
smaller lots, tins .....lb. 3.05 • 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .20¾- —
l.c.l., works..... lb. .21¼- —
tanks, works ..... lb. .19¾- —
Vinylether, normal, tech., dms., c.l., works lb. .28 • —
l.c.l., works..... lb. .30 • —
tanks, works ..... lb. .27 • —
Ether (see Ether divinyl).
Ethylether, tech., dms., c.l., works lb. .28 • —
l.c.l., works ..... lb. .30 • —
tanks, works ..... lb. .27 • —
Isobutylether, tech., dms., c.l., works lb. .28 • —
l.c.l., works..... lb. .30 • —
tanks, works ..... lb. .27 • —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride, (see Trichloroethane).
Pyridin, ret. dms., works ... lb. 1.65 • —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .025 • —
lots of 1 billion USP units, 1,000,000 units. .03 • —
lots of less than 1 billion USP units 1,000,000 units. .035 • —
in natural vegetable oil, 400,000 to 1,000,000 D units per gm. bots., lots of 100 billion USP units.. lots of 1 billion USP units, 1,000,000 units. .025 • —
lots of less than 1 billion USP units, 1,000,000 units. .03 • —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm gm. .07¼- —
liquid, in oil, 1,000,000 A units per gm. 1,000,000 units. .12 • —
natural, concentrates (see Oil, fishliver).
palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .12 • —
in oil, 1,000,000 A units per gm..1,000,000 units. .12 • —
B, (see Thiamine hydrochloride).
B_2 (see Riboflavin)
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12} crystalline, gm. or 5 gm. vials gram.295.00 • —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity. gm.225.00 • —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gm. bots..... gram. 4.50 • —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.95 • 2.00
tree bark, bls.....lb. .95 • 1.00
Warfarin, 0.5%, dms., 50 lb. lots, f.o.b. N. Y. or Chicago lb. 1.95 • —
25-49 lb. lots, same basis lb. 2.05 • —
5-24 lb. lots, cns., same basis lb. 2.15 • —
Wattle bark, fair average, or E. Afr., bgs., ex dock ..ton.104.00 • —
merchantable, bgs., ex dock ton.100.00 -101.00
extract, liquid 35% tannin, bbls., works lb. .10¾- .11
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .11 • —
S. Africa, 61% tannin, ex-dock, duty extra..lb. .11¼- —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot.....lb. .42 • .45
Bees, crude, African, bgs.....lb. .48 • .50
Brazilian bgs .....lb. .70 Nom.
Central American.....lb. .55 • .56
refined, bleached, white, bricks. lb. .69 • .71
slabs .....lb. .67 • .69
yellow, bricks .....lb. .55 • .56
slabs .....lb. .54 • .55
Candelilla, crude, bgs.....lb. .75 • .77
refined, bgs .....lb. .77 • .79
Powdered candelilla, 50 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. No stocks.
North Country, No. 2, bgs., ton lots..lb. 1.12 • —
No. 3, crude, bgs., ton lots.lb. 1.05 • 1.07
refined, bgs., ton lots....lb. 1.08 • 1.10
yellow, No. 1, Ceara, bgs., ton lots..lb. 1.35 • 1.37
Parnahyba, bgs., ton lots . lb. No stocks.
No. 2, Ceara, bgs., ton lots . lb. 1.33 • 1.35
Powdered carnauba price differentials same as powdered candelilla.
Esparto, African.....lb. .70 • —
Japan, bgs.....lb. .22 • .25
Microcrystalline, 170°-175° m.p., ASTM, amber ctns., 20,000, lbs. group 3, works lb. .13 • .14
less than 20,000 lbs., same basis lb. .14 • .15
black, ctns., 20,000 lbs., same basis..lb. .11½- .12½
less than 20,000 lbs., same basis lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 • .25
less than 20,000 lbs. same basis lb. .25 • .26
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 • —
less than 20,000 lbs., same basis lb. .17 • —
black, ctns., 20,000 lbs. same basis lb. .14½- —
less than 20,000 lbs lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 • —
less than 20,000 lbs., same basis lb. .28 • —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis..lb. .20 • —
less than 20,000 lbs., same basis lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 • —
less than 20,000 lbs., same basis lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., refined, bgs.....lb. .31 • .32
German, crude, bgs.....lb. .12½- .13½
Ouricury, ref., bgs.....lb. .75 • .77
Paraffin (see P)
Spermaceti, blocks, cs.....lb. .26 • .29
cakes, cs .....lb. .27 • .30
Sugar cane, crude, imp.....lb. .43 • —
refined, dom., works.....lb. .75 • .80
spot .....lb. .77¼- .82¼
White lead (see Lead, white).
White pine bark, rossed, bls....lb. .17 • .18
White precipitate, USP powd., dms., lb. 5.00 • —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ..ton.16.00 -30.00
smaller lots, works....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l. .....ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.16.00 -20.00
l.c.l. .....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 • .07
thin, natural, bls.....lb. .17 • .19
rossed, bls.....lb. .19 • .22
Ginger (see Snake root, Canada).
Indigo root, bls .....lb. .30 • .31
Yam root, bls .....lb. .16 • .17
Witch hazel leaves, bls.....lb. .19 • .20
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 • —
l.c.l., same basis.....ton.36.80 • —
60 mesh, bulk, c.l., same basis.ton.37.00 • —
l.c.l., same basis.....ton.42.00 -55.00
80-100 mesh, bulk, c.l., same basis..ton.45.00 -50.00
l.c.l., same basis.....ton.51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs.....lb. .14 • .16
Levant, bgs .....lb. 4.25 • 4.50
Wormwood leaves, bls .....lb. .35 • .45

X

Xanthorrhiza root, bls ..... lb. .28 • .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., l.c.l., works, frt. equald. lb. .25 • —
45°-47°C, dms., c.l., same basis. lb. .212 • —
l.c.l., same basis.....lb. .215 • —
tanks, same basis.....lb. .199 • —
fractions, over 7° C., b.r., except meta, dms., c.l., same basis..gal. 1.31 • —
l.c.l., same basis .....gal. 1.34 • —
tanks, same basis .....gal. 1.20 • —
meta fraction, over 7° C., dms., c.l., same basis..gal. 1.46 • —
l.c.l., same basis.....gal. 1.49 • —
tanks, same basis .....gal. 1.33 • —
Xylidins, mixed, dms ..... lb. .39 • .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa .....gal. .33 • —
Birmingham district...gal. .30¼- —
Chicago district .....gal. .33½- —
Cleveland district.....gal. .33 • —
Geneva, Utah .....gal. .25 • —
Hamilton, Ohio.....gal. .32 • —
Johnstown, Pa.....gal. .31 • —
Lackawanna, N. Y....gal. .33 • —
Lone Star, Tex.....gal. .35 • —
Lorain, Ohio .....gal. .31 • —
Minnequa, Colo.....gal. .34 • —
Philadelphia, Pa.....gal. .33 • —
Pittsburgh district...gal. .30 • .33
Sparrows Point, Md..gal. .33 • —
Syracuse, N. Y.....gal. .30½- —
Terre Haute, Ind.....gal. .35 • —
Wyandotte, Mich.....gal. .34¼- —
Youngstown, O .....gal. .30½- —
Petroleum, indus., tanks, Albany, N. Y..gal. .33 • —
Bayonne, N J.....gal. .33 • —
Baytown, Tex.....gal. .31 • —
Chicago, Ill .....gal. .33 • —
Philadelphia, Pa.....gal. .33 • —
Providence, R. I.....gal. .33 • —
Wood River, Ill.....gal. .33 • —

Y

Yara yara, cns.....lb. 2.25 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —

Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.

Benzidin, AAA, bbls., dlvd....lb. 1.91 - —
AAOT, bbls.....lb. 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies. lb. 1.20 - —

Cadmium yellows, Los Angeles, and San Francisco, ex whse. 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .31 - —

Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, 10 G, bbls., same basis as chrome..lb. 2.15 - —
G. pigment, bbls.....lb. 1.91 - —
Iron oxide, natural, bgs., c.l., works...lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l.,.lb. .04½- —
l.c.l.....lb. .04¾- —
Peruvian type, bgs., c.l..lb. .0165- —
pure, bgs., c.l., works....lb. .10 - —
l.c.l., works.....lb. .1025- —
Mercury oxide, bbls., 1,000-lb. lots. lb. 4.15 - —
smaller lots.....lb. 4.17 - —
Ocher American golden, bgs., works lb. .01¼- .02¼
Zinc (chromate), bbls., dlvd..lb. .25 - —
basic, dlvd.....lb. .30 - —
Yellow dock root, bls.....lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .32 - .33
Yohimbine hydrochloride, bots., tins. oz. 4.75 - 5.25

Z

Zein, bgs., 30,000 lbs. lots, works lb. .38 - —
1,000-lb. to 30,000-lb. lots, works lb. .40 - —
smaller lots, works.....lb. .43 - —
Zinc acetate tech. bbls. dms, works. lb. .27 - —
NF VIII, dms.....lb. .53 - —
Borate, bgs., c.l., dlvd. E.....lb. .192 - —
l.c.l., dlvd. E.....lb. .202 - —
Carbonate, tecn., rubbermakers, bgs., c.l., works. lb. .14½- —
l.c.l., works.....lb. .15 - —
Chloride, NF, gran., dms.....lb. .42 - —
precipitated, powd., dms..lb. .26 - —
solution, 50%, dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.35 - —
tanks, works.....100 lbs. 4.10 - —
tech., fused, dms., c.l., works. 100 lbs. 9.60 - —
l.c.l., works.....100 lbs. 10.00 - —
gran., fib., dms., c.l., works 100 lbs. 10.60 - —
l.c.l., works.....100 lbs. 11.00 - —
Chromate (see Yellow zinc).
Cyanide, kgs., over 1,000 lbs., works lb. .523 - —
under 1,000 lbs., works..lb. .543 - —
Dust, pigment, bbls., c.l., works. lb. .15½- —
l.c.l., works.....lb. .16½- —
Fluoride, bbls., works.....lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld..lb. .21½- —
l.c.l.....lb. .22 - .37½
Iodide, NF, jars.....lb. 4.92 - —
Laurate, bbls.....lb. .45 - .46
Metal, slabs, E. St. Louis.....lb. .12 - —
Naphthenate, liquid, 8% Zn, frt. alld. lb. .23½- —
10% Zn, dms., frt. alld...lb. .28½- —
Oleate, fused, bbls.....lb. .36 - —
Oxide, pigment, American process lead-free, bgs., c.l., dlvd lb. .1425- —
l.c.l., dlvd.....lb. .1525- —
leaded 35%, bgs., c.l., dlvd. lb. .1470- —
l.c.l., dlvd.....lb. .1570- —
50%, bgs., c.l., dlvd....lb. .1485- —
l.c.l., dlvd.....lb. .1585- —
French process, com'l green seal, bgs., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
red seal, bgs., c.l., dlvd. lb. .15½- —
l.c.l., dlvd.....lb. .16½- —
white seal, bgs., c.l., dlvd. lb. .16½- —
l.c.l., dlvd.....lb. .17½- —
USP, ctns., c.l., dlvd.....lb. .17½- —
l.c.l., dlvd.....lb. .18½- —

Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.

Phenosulphonate, NF, gran., dms. lb. .39 - —
powd., dms.....lb. .42 - .49
Resinate precip., dms., frt. alld. lb. .26¾- —
lb. .26¾- —
Silicofluoride, bbls., works....lb. .12 - .13
Stearate, tech., USP, ctns., c.l. lb. .37 - —
ton, lots.....lb. .33 - —
less ton lots.....lb. .30 - —
Sulphate cryst., 22% Zn, bgs., c.l., works, frt. alld... 100 lbs. 7.30 - —
l.c.l., same basis 100 lbs. 7.70 - —
flake, 25½% Zn, bgs., c.l., works. 100 lbs. 6.55 - —
l.c.l., works.....100 lbs. 6.90 - —
powdered, 36% Zn, bgs., c.l., frt. alld 100 lbs. 9.25 - 9.95
l.c.l., same basis 100 lbs. 10.00 - 10.70
Zinc sulphate in bbls., 40c higher.
USP, gran., dms.....lb. .26 - —
Sulphide, pure, bgs., c.l., dlvd lb. .2530- —
fluorescent, fib., dms., less than 1,000 lbs., works lb. 1.10 - 1.90
phosphorescent fib., dms., less than 1,000 lb. lots, works. lb. 1.85 - 2.50
Undecylenate, dms.....lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works..100 lbs. 9.05 - —
l.c.l., works.....100 lbs. 9.45 - —
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works. lb. 2.10 - 2.90
Zinc-calcium resinate, dms., c.l., works. lb. .1180- .1360
l.c.l., same basis.....lb. .1220- .1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.. lb. .25½- —
l.c.l.....lb. .26 - .41½
normal, dms., l.c.l., works lb. .52 - —
Zircon, (G), granular, bgs., c.l., works lb. .03½- —
5 tons to c.l., works..lb. .03⅝- —
1 ton to 9,999 lbs., works lb. .03⅝- —
500 lbs. to 1,999 lbs., works. lb. .04 - —
less than 500 lbs., works lb. .06½- —
milled, bgs., c.l., works....lb. .04½- —
5 tons to c.l., works..lb. .04⅝- —
1 ton to 9,999 lbs., works lb. .04⅝- —
500 lbs., to 1,999 lbs., works. lb. .05 - —
less than 500 lbs., works lb. .07½- —

Zircon (G) in barrels, ¼c. higher.

Zirconium acetate 13% sol ZrO_2, c.l., 30,000 lbs., minimum works lb. .23 - —
Carbonate basic, cake bbls., works lb No prices.
Hydride, cns., works.....lb. 7.25 -11.50
Nitrate, dms. ex whse.....lb. 4.50 - 7.00
Oxide, 98½%-99%, white grd., bbls., or bgs., works. lb. 1.50 - —
lump electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works.....lb. .44½- —
1 ton to 9,999 lbs., works. lb. .45 - —
500 lbs. to 1,999 lbs., works. lb. .45½- —
Zirconium oxide, lump, electric-fused, bgs., less than 500 lbs., works..lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works.....lb. .59½- —
1 ton to 9,999 lbs., works. lb. .60 - —
500 lbs. to 1,999 lbs., works. lb. .60½- —
less than 500 lbs., works lb. .63 - —
Oxychloride, cryst., ctns., 5 tons, works. lb. .32¼- —

Steel Drum Producers

—*Continued from page 3*

prices for replacement parts of steel drums.

The respondents are also charged with having agreed to adopt, maintain and utilize a price formula, or mathematical device, for uniformly rigging and maintaining prices of steel drums. According to the complaint, the respondents publish and use arbitrary "differentials," or pricing factors, ranging from 2 cents per drum to 20 cents per drum, depending upon the size and gauge of each steel drum. These "differentials" are allegedly used to calculate revisions in the base prices either upward or downward. Under this formula, or mathematical device, the exact amount of a price revision for any particular steel drum is readily ascertainable.

These acts and practices, according to the complaint, constitute unfair methods of competition and unfair acts and practices in commerce within the intent and meaning of section 5 of the Federal Trade Commission act. Twenty days are allowed the respondents to file an answer. A hearing on the complaint has been set for March 17 before hearing examiner Abner E. Lipscomb in New York.

Commenting on the FTC charges, John Hauerwaas, president of the United States Steel Products Division of U. S. Steel Corporation, categorically denied the allegations. Mr. Hauerwaas said that more than four years ago an investigation had been made by FTC on drum pricing methods, but that this is the first indication he has received that the commission believed there was anything wrong with the manner in which steel drums were being sold.

"The timing alone of the complaint would warrant the inference that it is another unjustified attack on business influenced by the same old ideology which has marked the policies of the commission for so many years," Mr. Hauerwaas said. Statements from other companies named in the FTC charges were not immediately available.

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VITAMIN DIVISION
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NUtley 2-5000

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SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*
30 Church Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 163 February 2, 1953 Number 5

Business-Government Dilemma

The muss thus far attending President Eisenhower's endeavors to put capable businessmen in big government jobs which entail the doing of big business is but one of many problems which must be met and solved in that connection. Government and business are fundamentally different in one very important aspect—the profit motive has no place in the philosophy of government, whether the profit be individual or governmental: it cannot be national.

The statutory ban on the holding of financial interest by a government official in any business concern with which he will have occasion to deal contractually is plain. It is more necessary and desirable than many commenters on its current application admit; but, its necessity and desirability are not based on the concept that government should be a matter of law, not of men: no law can do any governing otherwise than through the agency of men. It is the enforcement of a law, not merely its existence that makes government; and a good man can do better with a bad or inadequate law than is done under the best of laws in the hands of a bad or inadequately endowed man.

That statutory ban is not, as many declare, necessary or desirable as a check upon divided allegiance or as a recognition of the inevitability of misfeasance or even malfeasance in such a situation. The allegiances can be complementary, even though one may not accept the averment that what is good for business is good for the nation.

The nominated officials' action in divesting themselves of their business interests in conflict with the law appears to be the only patriotic solution under the law. But, the sacrifice is a heavy one and the questions involved should get sufficient study to make it unnecessary. To do that without setting up an undesirable privilege is a difficulty met in all attempts to provide fully justified exemptions from the application of any statute.

The big point in the problem is its political aspects. Whatever the impingement on governmental functioning might be and however well it could be kept harmless, the political stigma of even a small lack of public confidence—which, of course, would be most avidly fostered by the opposition—must be avoided even at the cost of a substantial loss in the selling of the assets involved plus the paring off of a goodly sum as income tax. Whatever the fitness of the designation, politics is still the "science of government." It is not a "pure" science, but it must have aspirations.

The ban on political opportunity for personal profit should be more widely applied. One senator has suggested that administrative nominees should have a chance to probe the business interests of those in legislative posts. His colleagues on the committee did not go along with him in respect of stockholdings; but, nobody raised the point of why a legislator who is, say, a farmer should be permitted to support by voice or vote legislation designed to make more money for farmers. The same might be asked with reference to the staff of the Department of Agriculture. And why should one who derives income from organized labor have any authority in the Department of Labor?

Be that as it may, the big muss awaits the businessmen in government when they attempt to apply the methods of business to the business of governing.

From New Beginnings

This nation, said the retiring chief of the Truman Council of Economic Advisers, "has ample resources of materials and of men, physically and mentally, to meet the demands of national defense; to maintain and improve its standard of living; and realistically to help in the restoration of friendly nations, economically and politically"—without checking its own progressive productivity. He placed one condition on that possibility—"we should all worry less and think more."

There is support for a deal of useful thinking on that concept of national resources in the trend toward the wider practical recognition of the fact that there is almost boundless opportunity for productive expansion in the technical utilization of raw materials scientifically known to be potential sources of industrial materials of wide and important application.

Much interest is being focused from both military and civilian angles on the most recent undertaking in the relatively new metallurgical area comprising the production of aluminum from clay. Additional reason for the interest is the fact that the venture will embrace also the production and metallurgical utilization of that other elemental component of clay which is beginning to get progressively the attention which its potentialities invite—silicon. Development of a commercially practicable utilization of one of mankind's oldest industrial materials in the production of one of its most recent metallic aids is particularly significant because of the abundance of aluminum silicates of numerous types.

The interest in the metallurgical utilization of clay as an ore, as represented in the latest venture, reaches out to the surmising of the extent, if any, to which the method involved and the location of the experimental plant in the Pacific Northwest might make possible the utilization of manganese minerals of low metal content. As manganese is one of the most commonly used components of aluminum alloys because of its improvement of mechanical properties, the results which such surmising attempts to visualize are of great interest.

Newer beginnings in metallurgical processings are getting attention in various areas in the Pacific coast regions. The progress with boron is, perhaps the most striking. Interest in magnesium probably has gone farther in connection with the utilization of the saline contents of the waters of the Pacific, but the work has been more noticeable, at least, in chemical than in metallurgical areas. The same is true with reference to the utilization of anhydrite, but there is talk about potentialities in the direction of metallurgical application of calcium.

Interest in both areas is somewhat spasmodically keen a bit farther from the northwestern corner of this country. It has to do with the utilization of alunite, potential source of aluminum, potassium, and sulphur—all of which are of strategic importance. Expectations have been reported now and then in connection with the new chemical methods of metallurgy; but, as yet, there has been no publicity on any progress or project.

The resources of this nation are practically unlimited with reference to industrial materials except by the lagging of technology in the development of utilization of the many metallic and nonmetallic minerals which are known to science as potential sources of materials of expansive and important usefulness. From new beginnings thus to be discovered, this nation can draw whatever it may need to maintain any measure of industrial activity of which it is otherwise capable.

For the Bookshelf

ORGANIC SYNTHESES, VOL. 32. Edited by R. T. Arnold. Cloth; 119 pages. New York: John Wiley & Sons, Inc. $3.50.

This is the thirty-second volume of the annual publication which compiles satisfactory methods of preparation of synthetic organic compounds. These volumes are copyrighted by Organic Syntheses, Inc., and each year list a different group of organic chemicals, giving detailed procedures as contributed by various individuals. They are valuable books for the organic chemist, and the thirty-second edition is up to the usual standards of the preceding volumes.

THE PAINT, VARNISH AND LACQUER INDUSTRY. By Ernest T. Trigg. Paper; 27 pages. Boston: Bellman Publishing Company. $1.

This booklet, written by the honorary chairman of the executive committee of the National Paint, Varnish and Lacquer Association, points up the opportunities in the paint industry for young men and women in the fields of manufacturing, distribution and application. One of a series of vocational and professional monographs, the publication gives a brief history of the paint industry, its growth and accomplishments and points out the direction of its future possibilities. The importance of the industry and its products in the national economy is also stressed.

Washington Talks It Over

—*Continued from page 5*

a big help to administration forces later should some embarrassing legislature situation arise.

Small Business Tax Load

The Small Defense Plants Administration is asking congress to lighten the tax load on small business. A special report on this subject has been turned over to both the senate finance committee and the house ways and means committee. However, nothing seems likely will be done on the matter until after the committees go into the whole question of taxes which may, or may not, come later this year—it all depends upon how much of a cut can be made in the budget.

The present tax structure, SDPA administrator John E. Horne says, "seriously inhibits the ability of small business to obtain capital, to retain earnings, and to finance expansion and acquisition of machinery and equipment replacement. These tax problems, together with the problem of double taxation of corporate earnings, have appeared with such constancy that the conclusion is inescapable," he says, "that they have vitally affected the means by which the productive capacity of small business firms can be most effectively utilized for national defense."

Mr. Horne prposes:—Increase the excess profits tax exemption to $100,000, if this tax is retained; eliminate all corporate taxes on the first $10,000 of dividends distributed to stockholders, and raise the surtax exemption to $100,000 and increase the normal tax to 25 percent. He said he was also impressed by suggestions that business losses be carried forward indefinitely, instead of for only five years as at present, and for the need to clarify the provisions of section 102 on excess accumulations.

Eisenhower Appointees Set Course

Up to now at least, the new heads of the departments of government that have been appointed by President Eisenhower are making a lot of friends in congress by the way they are taking hold of their jobs with promises of improved efficiency and greater savings of the taxpayer's money. The heads of at least three of the departments have served warning on the personnel that they are expected to put in a dollar's worth of work for the dollar paid.

Waste in government, of course, is one of the main issues that put Mr. Eisenhower in office, and it was apparent to any visitor to Washington who spent more than fifteen minutes in almost any department—and there have been a lot of visitors to Washington on business with the government in the past ten years. Groups of workers on their way to the cafeteria for coffee or leaving their offices to move their cars to avoid over-time parking tickets was a common sight at almost any hour of the day.

There has been a noticeable change since January 20 and especially since the new secretaries have issued their ultimatum. Habit is pretty hard to change, however, and old-timers in Washington are maintaining quizzical observance of the "new" system and have their own ideas as to how long it will last.

Agriculture Dept. Reshuffling

It didn't take long for Ezra Taft Benson, the new Secretary of Agriculture, to stir things up in his department. Twenty-four hours after he had been confirmed by the senate and sworn into office, he announced a "major overhauling" of the department which he described as a huge bureaucracy that has been swollen into twenty agencies and bureaus in the last twenty years.

His reorganization, however, appears to be largely a reshuffling up to now and all of the twenty agencies and bureaus are still there. Already questions are being raised as to the whys and wherefores of the reorganization and will it save any money to the taxpayer. About the only change that appears to have any significance is the one that takes the agricultural conservation program away from the Production and Marketing Administration and places it with the group of agencies having to do with research, extension work and land use.

It is not clear which agency the ACP will eventually be tied in with. The ACP handles the payments to farmers of subsidies when they carry out certain practices, and thus is a very important agency politically and otherwise. If it goes under the Soil Conservation Service, it means that the funds will be handled by personnel trained as technicians in soil types and land use. If ACP goes under the Extension Service, it will be the first time that agency, which was created as the educational branch of the USDA, has been put in the role of a direct-action agency.

If the latter course is followed it might be the first step in a move to have the Extension Service swallow up the Soil Conservation Service. Milton Eisenhower, president of Pennsylvania State college and brother of the President, is on record as favoring that program.

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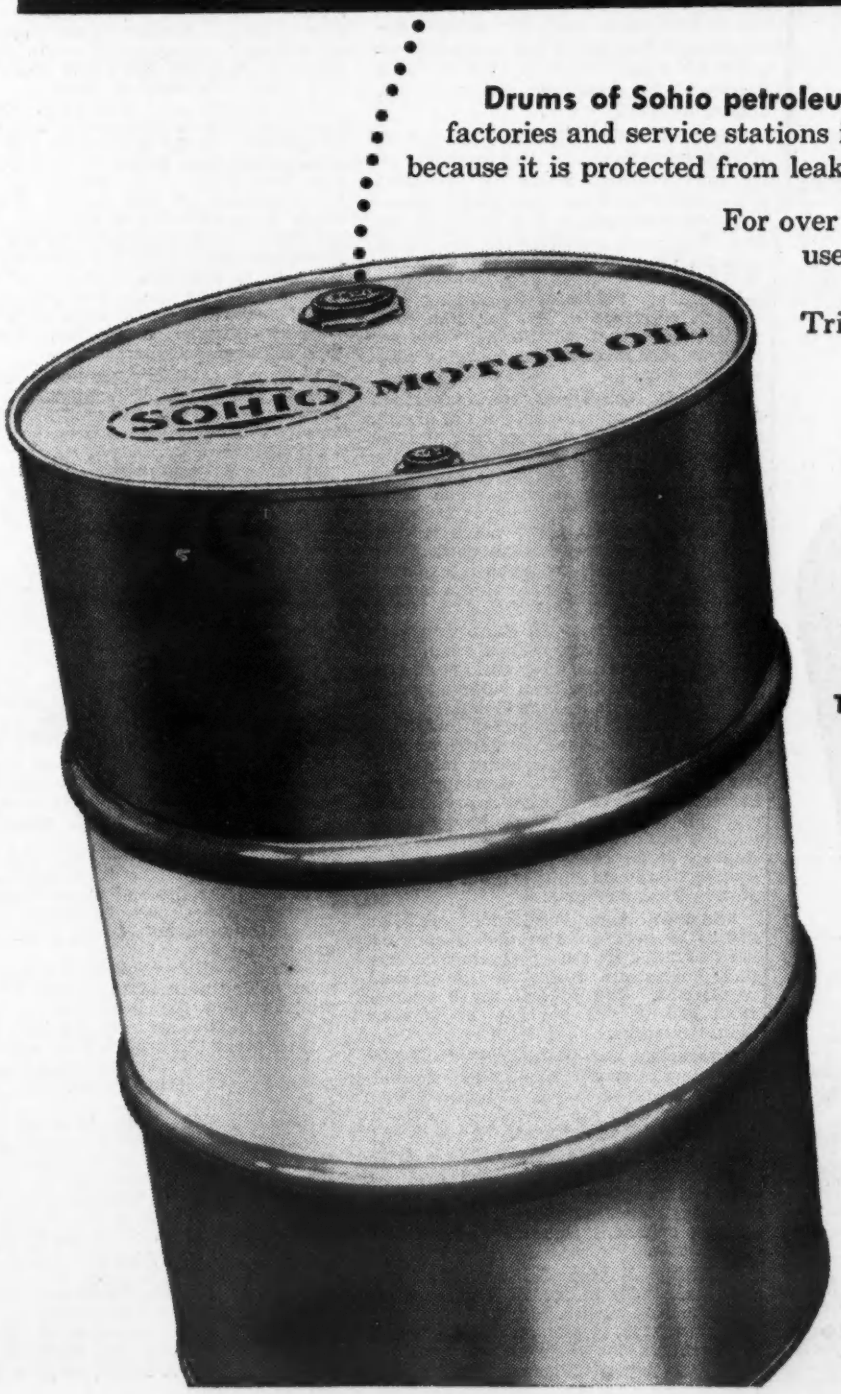

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Heavy Chemicals

Index declined last week to 95.62 from 95.84 in preceding period. While the ceiling price in aluminum metal was adjusted to permit a fractional advance in price, declines were noted in aqua ammonia in tankcars, quicksilver and prime western zinc. It was expected that the advanced prices recently named by at least two important producers of ammonia would be followed by others at the turn of the month but expectations have not been realized. Increased supplies and slow demand for quicksilver accounted for a lower spot market. The decline in zinc was attributed to lower prices in the London market and a falling off in domestic buying interest.

Industrial demand for heavy chemicals was generally described as fair. There seemed to be no desire to break away from the hand to mouth buying policy and it looked as though this style of operating might continue indefinitely. It was stated that the favorable overall supply condition is not conducive to the extension of consumer inventories at the present time. The tonnage movement of caustic soda, chlorine and soda ash was sustained around its former level according to producers. Stock accumulations of sodium bicarbonate gave that market a soft appearance. Calcium chloride continued to move in good volume. Nickel sulphate and other nickel salts remained the tightest spots in the chemical market. Slightly increased sales of white sal ammoniac were reported for dry-battery use. Demand from glass plants that make television tubes kept potassium carbonate active. A slight dip in the call for muriatic and sulphuric acids was noted. Department of Commerce has set the export quota for copper sulphate over the first quarter at the same level as for the last quarter for 1952.

Paper production based on a percentage of sixday capacity was 94.6 percent for the week ending January 24, according to the American Paper and Pulp Association. This compared with 94.7R in the preceding week and 99.0 for the corresponding week in 1952.

Aluminum Sulphate—Consuming demand is described as fair for both commercial and iron free. Stocks, while not excessive, are meeting requirements without difficulty.

Ammonia, Anhydrous—Market position firm with demand seasonal but not urgent. Stocks are available at prices ranging from $79 to $82 per ton in tankcars for the fertilizer grade, according to the producer. Prices for the refrigeration grade range from $81.50 to $84.50 per ton in tankcars, depending upon the seller which is $1.50 per ton higher than previously quoted. The supply of the fertilizer grade is expected to tighten when the agricultural season opens.

Ammonia has been in short supply in Canada and one large company is not accepting orders from new customers. The largest producer has been shipping anhydrous ammonia to eastern Canada and using only part of its output for fertilizers. It would prefer to use the entire amount for that purpose, but is under long-term obligation to supply the demands of its Eastern customers. A smaller producer of ammonia reports that it could double or triple production and find buyers easily. Another large company, even though it produces large amounts, is a net consumer of anhydrous ammonia.

Ammonia, Aqua — Advanced prices quoted by some large producers have not been followed by others, possibly because their prices are frozen by government regulations. The present range extends from $86 to $90 per ton in tankcars f.o.b. the works.

Ammoniac, Sal—Sales gained slightly in white granular for dry-battery use during the month of January. Producers were not required to dip far into their inventories to level off demand.

Calcium Chloride—Demand was fairly well sustained for ice control over the past month. Shipments in most instances moved out on time with producers maintaining sufficient stocks to level off requirements.

Chlorine—Buyers did not experience much difficulty in securing supplies during the past month. Spot stocks, while not excessive, were available although withdrawals by certain industries particularly paper mills were reported of larger dimensions than in the preceding month.

Cobalt Hydrate — October production was placed at 6,493 pounds by the Bureau of Mines. September output amounted to 13,753 pounds. Shipments during October were placed at 18,755 pounds, against 16,586 in the preceding month. Stocks on October 31 were 6,392 pounds, compared with 18,654 on September 30.

Copper Sulphate—No new developments featured the market last week. A slight gain in the agricultural inquiry was noted for dust formulations but there was no real action for farm use. The industrial demand continued steady and gave no indication of varying much in the near future. Export sales remained slow. The supply position remained distinctly favorable. First quarter export quota has been set at 25,000,000 pounds by the Commerce Department. This is unchanged from the fourth quota of 1952.

Fluorspar—Imports of fluorspar in October were 37,445 tons, compared with 42,304 tons in September; the October imports came from Canada, Germany, Italy, Mexico, and Spain, according to the Bureau of Mines. Production and shipments of fluorspar of domestic origin of all grades were 37,615 and 37,126 short tons, respectively, in October, increases of 31 and 16 percent over September. Of the shipments of metallurgical-grade fluorspar in October, 13,861 tons were from the Illinois-Kentucky district and 8,547 tons were from Montana, Nevada, and Utah. Of the shipments of fluorspar of domestic origin from Illinois and Kentucky, 7,377 tons were shipped by barge on the Ohio River, compared with 7,980 tons in September. In addition, 1,440 tons of fluorspar of Mexican origin were shipped by barge on the Ohio River from the Illinois-Kentucky district in October, compared with 306 tons in September.

Fluorspar exports from Southwest Africa to the Union of South Africa have recently been at the rate of about 420 tons monthly. They go to steel works at Pretoria and Vanderbijl Park.

Phosphorus Compounds — Oxychloride, trichloride and other phosphorus compounds maintained a fair state of balance at the turn of the month. Demand was fair but not urgent.

A new Swedish phosphorus plant meets only about one-third of the demand for this material. A building permit for $100,000 worth of additional facilities has been requested; the product is made from domestic materials and is important to the defense program. Application also has been made for a permit for a silicone plant. Production of hydrogen peroxide and sodium perborate is relatively new.

Potash, Caustic—Inquiry was reported slightly better at the close of the month after continuing rather spotty over most of the period. The supply situation is described as comfortable.

Potassium Carbonate—Plants that make television tubes have been instrumental in keeping the demand active. Producers in most instances have been able to make immediate shipments or not more than a day or two late.

Soda Ash—Shipments were described as good during most of the month of January. Probably the chemical industry used the largest tonnage with the glass plants a close second. Supplies were not stinted in either light or dense ash and producers appeared to have demand well under control.

Soda, Caustic—Stocks have not been a problem to consumers since the turn of the year. Demand has averaged fair but the call for shipments was never of dimensions to impair the overall supply. While the use in soap has dipped, some increase in demand was noted from rayon mills, paper and pulp plants and petroleum refineries.

Sulphur—Combined first quarter export quota for sulphur formulations and agricultural sulphur has been set at 41,000,000 pounds, the Commerce Department announced. This is 16,555,000 pounds more

For Late Market Developments, See Page 4

Price Trends

Advanced

Aluminum metal, ½c. per lb.

Reduced

Ammonia, aqua, tankcars, $4 per ton.
Quicksilver, $3 per flask.
Zinc, prime western, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb 1, 1952
95.62	95.84	95.89	97.69

(*For Current Prices see page 9*)

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than was allowed for export in the fourth quarter of 1952 and reflects a "substantial improvement in supply," according to the department.

Greece needs approximately 20,000 metric tons of sulphur annually and development of domestic resources is considered necessary to conserve the country's limited foreign exchange. There are three sulphur-producing areas. Sulphur beds on Nisryos Island and at Soussaki, Corinth, are owned by the Government and neither has been developed; the deposits at Soussaki are believed less important than those on Nisryos. Exploitation of these resources will require mapping, followed by prospecting work and testing, before mining operations can begin. Nisryros was formerly under Italian rule and the mines are Italian property. When a British firm applied for a lease, the ownership was in dispute and the proposal was rejected. The Government later announced that bids for the participation of foreign firms will be invited as soon as a settlement has been made.

Acids

Chromic—Sales have increased moderately under a demand that was somewhat spotty. Platers are taking this acid mostly for current wants. The supply is meeting requirements without difficulty.

Hydrofluoric—Not in free supply but available. The constant call for use in high octane gas has kept stock accumulations down.

Muriatic—Finding a steady outlet for miscellaneous industrial uses, some producers are on the tight side of this acid, others have adequate supplies.

Nitric—Demand steady and not showing any important variation. Stocks adequate to level off current requirements with no indication of price change.

Oxalic—While truckloads have commanded moderate attention, trading has shown no unusual activity. Small lot sales for spot shipment have predominated.

Sulphuric—Buying interest appeared to be a bit slower last week. There seemed to be plenty of stock to meet require-

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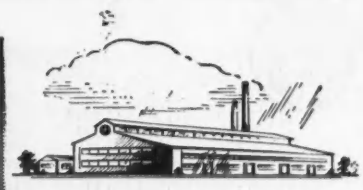

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Reelected Chlorine Inst. Head

R. W. Hooker, vice-president in charge of sales of Hooker Electrochemical Company, Niagara Falls, N. Y., has been reelected president of the Chlorine Institute for the fifth consecutive year. Mr. Hooker has been a director of the institute since 1940 and prior to his first election to the presidency in 1949, he served as a vice-president. Louis Neuberg, vice-president of Westvaco Chemical Division, Food Machinery & Chemical Corporation, New York, has been elected vice-president, while Robert T. Baldwin has been elected secretary-treasurer.

ments with producers sustaining former prices.

Nonferrous Metals

Aluminum—Priced higher following an increase in the ceiling price. Ingots 99 percent now held at 20½c. and pigs at 19½c. per pound f.o.b. shipping point with freight allowance to U. S. A. destinations.

Copper—Supplies of copper in November dropped somewhat below quantities available in October, according to the Bureau of Mines. Production at domestic mines and refineries fell slightly on a daily average basis, but at smelters continued virtually unchanged. For eleven months, January through November, 1952, supplies from domestic primary sources dropped a little below the record for the same period in 1951, but imports of refined copper showed marked improvement so that the total supply of new copper was little changed from 1951. At least three important labor strikes were settled in November. In the United States, Michigan properties closed on September 8, were reopened on November 12. The 3-week strike of African mine workers at copper properties in Northern Rhodesia ended November 10. It is said that 20,000 tons of copper was lost by the latter strike. A plant in Quebec, Canada, reopened late in November following a strike that lasted 18 weeks. The plant was reported to be operating at about 50 percent capacity during the first week in December.

Recovery of all metals contained in copper-base scrap decreased 7,099 short tons to 80,047 tons; of copper alone 6,403 tons to 64,556 tons in November, according to the Bureau of Mines. Although the November secondary output was 8 percent less than in October, it was about the same as the average for the previous 10 months of 1952. Secondary production at brass mills was about the same in November as in October, the 7,000-ton decrease in total recovery being distributed equally between the secondary smelters and the primary producers.

Manganese—Ore shipments from domestic mines during the four months from June to September totaled 32,500 short tons according to the Bureau of Mines. Shipments of manganese ore averaged approximately 8,100 tons a month for the period, but fell to 80 percent of the year's monthly average in September or 6,700 short tons. Montana contributed 97 percent of the four month total with Oregon, Nevada, Arkansas, Utah, and New Mexico reporting the remaining three percent in the above order. Ferruginous and manganiferous ore shipments amounted to 306,951 short tons from Minnesota, New Mexico, Montana, and Nevada and, although shipments were sharply reduced from Minnesota in June and July, the state accounted for 96 percent of the total. Imports of manganese ore containing 35 percent or more manganese continued at a high level with 179,873 short tons imported in June, 197,439 in July, 218,486 in August, and

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225,585 in September. India maintained the leading position by contributing 37 percent of the total imports; Gold Coast, 17 percent; Cuba, 11 percent; Union of South Africa, 10 percent; Brazil, 7 percent; Mexico, 5 percent; French Morocco, 3 percent; Portugese Asia, 3 percent; with twelve other countries making up the remaining 7 percent.

Nickel—Recovery of secondary nickel from nonferrous scrap in 1951 totaled 8,602 short tons valued at $9,252,311 a decrease of 2 percent in quantity below the 8,795 tons, valued at $8,408,020, recovered in 1950, according to the Bureau of Mines. As in 1950, more secondary nickel was recovered in copper-base alloys in 1951 than in any other way, but the percentage of the total so recovered decreased from 40 in 1950 to 30 in 1951. Nickel recovered from nonferrous scrap in iron and steel, which had risen from 1,201 tons in 1949 to 1,824 tons in 1950, increased to 2,149 tons in 1951. Nickel recovered in nickel-base alloys declined 18 percent in 1951 to 1,096 tons, or to about the same quantity as in 1949. In addition to 14,914 tons of nickel silver scrap, a copper-base item, 7,164 tons of nickel-base scrap were consumed in 1951. The corresponding figures for 1950 were 21,060 and 6,441 tons respectively.

Quicksilver—Priced lower last week at $212 to $214 per flask on spot with 50 flask lots quoted at the lower figure. Buying interest remained slow while the supply position improved through the arrival of stocks from abroad. It was stated that replacement prices at the close averaged around $212.

San Francisco.—Market activity was quiet over the week with demand slow and spot offerings limited. Metal quoted $218 per flask.

Zinc—Prime western was priced lower at 12c. per pound East St. Louis basis. It was stated the revision was made in an effort to stimulate buying interest which has been relatively slow of late. The current market is now established at the lowest level since May, 1950, and compares with a high of 19½c. recorded in October, 1951.

BIMS of Boston Sets Winter Party for Feb. 19

BIMS of BOSTON will open the 1953 season with a winter party at the Weston (Mass.) Golf Club on Feb. 19, it has been announced by chairman Hart Harris, jr., of S. B. Penick & Co. Golf outing dates for the coming season will be announced at the party.

Soda Ash Data Offered

A new booklet, "The Advantages of Desulphurizing Molten Metal with Solvay Dense Soda Ash" is being offered to foundrymen by Solvay Process Division, Allied Chemical & Dye Corporation. The new booklet lists, in non-technical language for the practical foundryman, the advantages of desulphurizing molten metal with soda. It also includes various recommendations of adding dense soda ash to the molten metal. Copies may be obtained without charge by addressing requests to Solvay's advertising and sales promotion department, 61 Broadway, New York 6.

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Hercules Powder President Scores Excess Profits Tax

Income and excess profits taxes took 65 percent of Hercules Powder Company's earnings during 1952, it was disclosed last week in the company's annual report for the year. Net income for the year was $11,218,120, equal to $4.03 a share of common stock.

Without the excess profits tax, Hercules earnings would have been $5.35 a share of common stock. In 1951, net income of the company was $13,655,855, equal to $4.96 a share of common stock. "This misnamed and inequitable tax, which expires June 30, is actually a penalty tax on growth," Charles A. Higgins, president, said in his letter to stockholders.

The excess profits tax, if continued, Mr. Higgins asserted in releasing the 1952 report, "will discourage the creation of jobs for our growing population." This 82 percent tax on additions to earnings, Mr. Higgins said in the report, along with inflationary wage increases and price ceilings is a difficult combination out of which to generate any appreciable increase in returns to our stockholders.

The company's business declined during the year, Mr. Higgins said in the report, and profit margins were narrower. Sales reached their low in the middle of the year, notably to the synthetic fibers, protective coatings, plastics, insecticides, and rubber industries. The decreases were partly accounted for by adjustments in inventory positions in these industries, but an improving trend was shown in the latter part of the year.

Bragdon Enters Chemical Engineering Consultant Field

Charles R. Bragdon, who retired recently from the Interchemical Corporation after more than thirty-seven years' service with it and its predecessor, the Ault & Wiborg Company, has established an office as consulting chemical engineer at 4 Rock Ridge road, Larchmont, N. Y. Mr. Bragdon will specialize in work relating to the organic surface coating industries.

Mr. Bragdon was formerly chemical director of the Ault & Wiborg Company's varnish works in Cincinnati, Ohio. He became secretary and treasurer of the Ault & Wiborg Corporation after the original company merged with others to form the Interchemical organization. Later, he was a group leader in the research laboratories of Interchemical in New York.

Uranium-Bearing Shale To Be Mined for AEC

The Atomic Energy Commission announced last week that a small experimental mine will begin operations near Sligo, Tenn., in the near future to develop satisfactory methods of mining the uraniferrous shales of the southeastern United States. The mine will be operated for AEC by the Bureau of Mines.

The southeastern shale deposits which underly sections of several states contain minute percentages of uranium and are of long range interest to the AEC as a potential domestic uranium reserve. A widespread exploration drilling program is being conducted by the Geological Survey to obtain better knowledge of the uranium occurrences.

Greece Seeking Caustic

The senior committee on equipment of the Greek Ministry of Defense has issued an invitation-to-bid on 200 tons of caustic soda under Mutual Security Agency procurement authorization No. 40-390-00-3027. Bids are received until noon (Athens time) February 10 at the Ministry of Defense, 9 Paprigopoulou street, Athens, Greece. Further details are contained in MSA small business circular No. 53-34.

Chemcial Corps to Supply

—*Continued from page 7*

duce in our own plants," Gen. Black stated. "We expect that the bulk of the caustic produced in Chemical Corps plants will be needed by the Corps in connection with its own operations. We may be faced with the disposal of a small surplus by transfer to other government establishments or direct sale to private consumers.

"The Chemical Corps industrial mobilization planning requirements for chlorine have been reduced to a considerable degree and they now total 612,000 tons for the period M plus thirty-six months. This averages 204,000 tons a year. Our existing Chemical Corps plants at Rocky Mountain Arsenal, Pine Bluff Arsenal, Edgewood Arsenal, Huntsville-Redstone Arsenal and Muscle Shoals, are capable of producing approximately 163,000 tons a year. For full operation, therefore, it appears, that our demands on industry would be, subtracting 163 from 204, approximately 41,000 tons per year."

(A separate story on the election of Chlorine Institute offficers appears on page 37 of this issue.)

Winemakers' Chemicals List Issued by Revenue Bureau

A list of the chemicals and other materials that may be used by winemakers in the filtering, clarifying, purifying or other treatment of wines is contained in circular No. 4 of the alcohol tax unit of the Bureau of Internal Revenue, issued under the date of January 16.

The circular states that the winemaker may use any of the materials on the list within the limits prescribed, but if he wants to use greater amounts, or use materials not on the list, he must apply for permission to the assistant district commissioner. Failure to observe the limitations may incur liability for rectification tax or the imposition of penalties.

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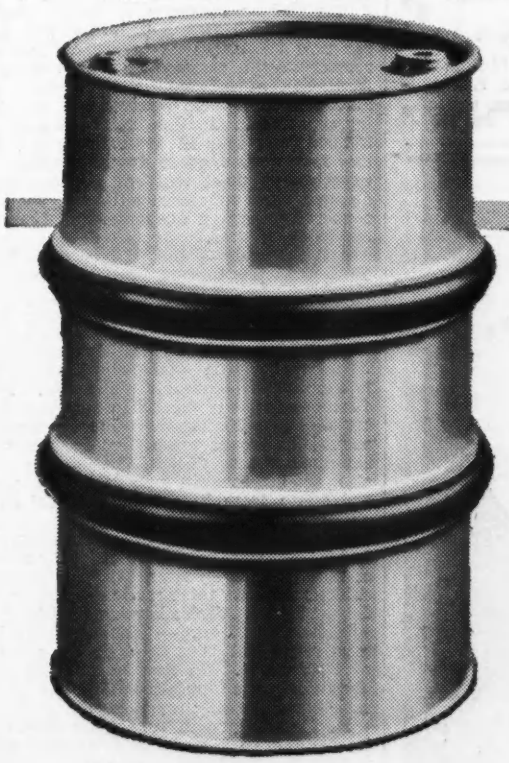

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The rubber rolling hoop is our own specially-designed and patented device, but licenses for its use are now available from us. Although rubber rolling hoops are used principally on 55-gallon stainless steel drums, they have also been approved for Type ICC-5 carbon steel and galvanized drums.

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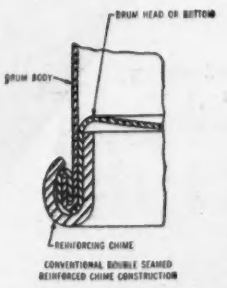

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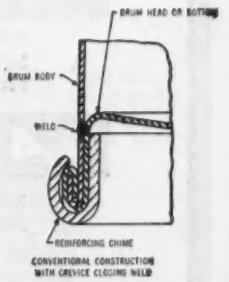
A special crevice weld, designed and patented by the Products Division, can be used in the construction of our Stainless Steel Drums. This construction has the advantage of sealing off the crevice or aperture which results from a conventional type of double-seamed construction. Thus no commodity or material in the containers can enter the double seam, to be trapped within the joint.



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Agricultural Chemicals

Market trend continued downward last week. The index recorded 112.77 compared with 112.85, revised, during the preceding period. Prices for lindane 99 percent and the formulation 25 percent were established at lower levels. Competitive influences were still apparent in the insecticide market. There is a relatively wide spread in DDT quotations with the market figure subject to the views of the individual producer. Inventories have been well liquidated and it looked as though DDT would recover part of its early loss as soon as the competitive attitude subsides.

Dried blood touched a new low for the year in the local market under an absence of feeders' support but was unchanged in the Midwest. There was no important change in tankage which remained quiet. The fertilizer trade continued to buy domestic steamed bone meal at the former price and also took on some castor pomace at the previous figure.

While the easement may be temporary, there was more superphosphate and ammonia sulphate available for spot shipment. In some producing quarters a slight gain in domestic potash shipments was reported indicating that certain mixers have been able to move part of their storage stocks of finished fertilizer. The new season is slow in starting with farmers not inclined to take on stocks until actually required.

Price Trends

Advanced

None

Reduced

Blood, dried, New York, 25c. per unit of ammonia.
Lindane, 99%, $1.25 per lb.
25%, formulation, 50c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 1, 1952
112.77	112.85†	113.08	113.31

†Revised.

(*For Current Prices see page 9*)

Fertilizer Materials

Ammonium Sulphate—Buyers appear to be getting all the material they desire at the present time. The active season is slow in starting and producers look for a tighter market when Spring shipments get underway although there is quite a supply of foreign material available.

A fertilizer company at Bihar, India, has announced that ammonium sulphate can now be purchased in carload lots direct from the factory without a permit. Allocation of this material has been removed as the plant's output has steadily increased. Production is estimated at 350,000 long tons in 1952. Output from this factory and other domestic plants is expected to meet most of the country's demand for ammonium sulphate, thereby conserving foreign exchange and increasing food supplies.

Dried Blood — Priced lower in New York at $6 per unit of ammonia. Chicago was unchanged at $6.50. Trading slow.

Fish Meal—Menhaden contributed the bulk of fish meal and scrap produced over most of 1952, about 124,000 tons or around 70 percent of the total output, according to the Department of the Interior. Production of menhaden meal and scrap during the first 10 months of last year was about 13 percent more than for the corresponding period in 1951. There was also an increase in production of meal and scrap from tuna and mackerel compared with 1951, but the total was only about one-fifth of that derived from menhaden. A slight increase in the amount of meal and scrap from Maine herring is evident but the total made from groundfish and from Alaska herring declined.

Phosphate Rock — Market situation relatively quiet both for domestic and export shipment. No easement in the supply of Florida high grade but low grade rock is said to be in balance.

Desire is expressed to form a syndicate in Uganda to explore and perhaps ultimately work deposits of phosphate rock, magnetite, nobium, and other minerals at Sukulu Hill near Totoro. The extraction and separation of these materials would be a step towards establishing domestic production of superphosphate and other fertilizers and phosphorus.

Potassium Muriate — Slight improvement in demand for domestic shipments reported and some producers look for gradual improvement with the advance of the season.

Sodium Nitrate—Gradual expansion in the inquiry for Spring shipment. Supplies at stockpoints adequate to meet demand.

Superphosphate — Domestic production of superphosphate during November, 1952, totaled 743,947 short tons for normal, 66,414 tons for concentrated, and 6,847 tons for wet-base goods, according to the Bureau of the Census. In comparison with last month's output, production of normal and concentrated superphosphate declined 11 and 18 percent, respectively, while the tonnage of wet-base goods increased 35 percent. However, production for January through November, 1952, increased 12 percent for normal superphosphate and 18 percent for concentrated, while production of wet-base goods declined 9 percent when compared with corresponding 1951 totals. Shipments of normal superphosphate, concentrated, and wet-base goods were respectively 4, 6, and 49 percent lower than the amounts shipped last month. Quantities shipped during January through November, 1952, increased 8 percent for normal and 19 percent for concentrated superphosphate, while shipments of wet-base goods decreased 39 percent from the amounts for the corresponding period of 1951. During November, stocks on hand remained about the same. The quantities held at the end of November, 1952, however, were 22 percent higher for normal superphosphate at 1,184,000 tons 13 percent higher for concentrated at 79,575 tons and 14,127 tons, 7 percent lower for wet-base goods than the amounts held on November 30, 1951.

Los Angeles Market

Los Angeles.—There appears to have been a slight increase in market interest during the week but nothing sufficient to alter the general picture as it has appeared over the last few reports. It is still too early for large spreading operations to commence; however, spreaders are less reluctant to consider or discuss shipping and delivery schedules than previously. Blood meal and tankage quotations remain unchanged. Blood meal production was reported off but further price decrease will have no bearing on trading since mixers will take only slight notice of this market until early Spring. Heavier trading of Summer fish meal was reported, running 75-85 cars, at $2.25 per unit of protein, sacks included, f.o.b. San Pedro. Imported meal quoted $2.20—$2.20 per unit of protein, including sacks, ex-dock.

Ruling prices were:—Ammonium nitrate—$85.30 per ton, domestic, f.o.b. Los Angeles. $86.84 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$77.14 per ton in bags, 16 20 grade, f.o.b. Los Angeles. $103.64 per ton in bags, 11/48 grade, f.o.b. Los Angeles. Both Canadian material.

Ammonium sulphate—$55.03 per ton in bags, domestic, f.o.b. Los Angeles. $3 less in bulk. Canadian material same.

Blood meal—$5.75-$6 per unit of ammonia at source. Bone meal—$65-$68 per ton, imported, 1/65 meal, c.i.f., Los Angeles Harbor. Domestic—$90-$92 per ton, f.o.b. Los Angeles.

Calcium nitrate—$48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Castor pomace—$37.25 per ton, f.o.b. Los Angeles.

Fish meal—$146.90 per ton, bulk, 65 percent sardine, nominal, f.o.b. Monterey or Los Angeles. $135.60 per ton, bulk, 60 percent tuna, nominal, f.o.b. San Pedro.

Pesticides

Lindane has followed the trend of several other synthetics and is now established at a lower price level. Technical 99 percent in drums is available to dealers at $4.50 to $4.75 per pound and the 25 percent formulation at $2.20 in one pound cans and at $2.10 in drums, all prices f.o.b. the works. It was stated that the season is about to start with the supply position comfortable. The DDT situation is still confused with the price range unchanged but buyers are finding difficulty in securing material at the minimum price named. According to trade reports, producers' inventories have been substantially reduced by government purchases and sales have increased for domestic use for future shipment. Some suppliers are only naming spot prices and others are taking orders at price time of shipment as a protection measure. No important inprovement could be noted in demand for BHC. Cryolite prices are firmly held although the Spring movement has not started.

The pyrethrum crop in the southern highlands of Kenya has been harvested. Production is reported to have been disappointing in most areas.

A chemical company in Italy plans to establish a large chemical plant near Sao Paulo, Brazil, states the foreign press. The factory will produce DDT and other chemicals and is scheduled for completion in 1954.

For Late Market Developments, See Page 4

Soil Conditioner Patents Award to Monsanto Told

The United States patents pertaining to synthetic organic chemical soil conditioners have been issued to the Monsanto Chemical Company, St. Louis, Mo.

The first of these, Patent No. 2,625,529, pertains to the use of a large and diversified class of synthetic organic polyelectrolytes as soil conditioners, including Monsanto's "Krilium soil" conditioners. The other, No. 2,625,471, pertains to plant fertilizing compositions containing plant nutrients and certain synthetic organic polyelectrolytes.

Penick Issues Illustrated Booklet On 'Ryania' Botanical Insecticide

"Ryania, a Botanical Insecticide," is the title of an illustrated booklet issued by S. B. Penick & Company, New York. The booklet describes the results of "Ryania's" use in effective control of the European corn borer, sugar cane borer, and cranberry fruit worm, and gives directions for applications in each case. In addition, it presents the status of laboratory and field tests of "Ryania" as an insecticide for stored grains, and outlines results of tests against sugarbeet webworm, Oriental fruit moth and other insects. The booklet concludes with sections on "Ryania's" toxicology, pharmacology, chemistry, physiological effects, and a complete list of the literature cited.

Fertilizer Safety Conference Planned for Atlanta Mar. 2, 3

The Consumers Cooperative Association will hold a southern safety conference March 2 and 3 in the Atlanta Biltmore hotel, Atlanta, Ga., at which one section will be devoted to the fertilizer industry.

An informal conference on fertilizer plant safety will be held March 2, with A. B. Pettit, of the Davison Chemical Company, serving as panel chairman. Members will include:—G. F. Dietz, Fertilizer Manufacturing Cooperative, Inc.; F. W. High, Baugh Chemical Company; C. A. Cox, Virginia-Carolina Chemical Company, and E. F. Carnell, Davison Chemical Company.

On March 3 the following papers will be presented:—"The Maintenance Foreman's Responsibility," O. R. Kiphart, Phillips Chemical Company; "The Importance of Fire Prevention," Walter Zielenske, Marsh & McLennan; "Housekeeping in Fertilizer Manufacturing Plants," E. O. Burroughs, F. S. Royster Guano Company, and "Before and After," A. C. Thornton, International Minerals & Chemical Corporation.

Wilson & Geo. Meyer & Co. Opens Fresno Branch Office

The Wilson & Geo. Meyer & Co., San Francisco, has opened a branch office at 444 Blackstone avenue, Fresno, Calif. John Wise, who has been assistant to the manager of the firm's fertilizer department in San Francisco, has been put in charge of the Fresno branch, which will serve the San Joaquin Valley area between Modesto and Bakersfield. The firm also has offices in Los Angeles, Portland, Ore., and Seattle, Wash.

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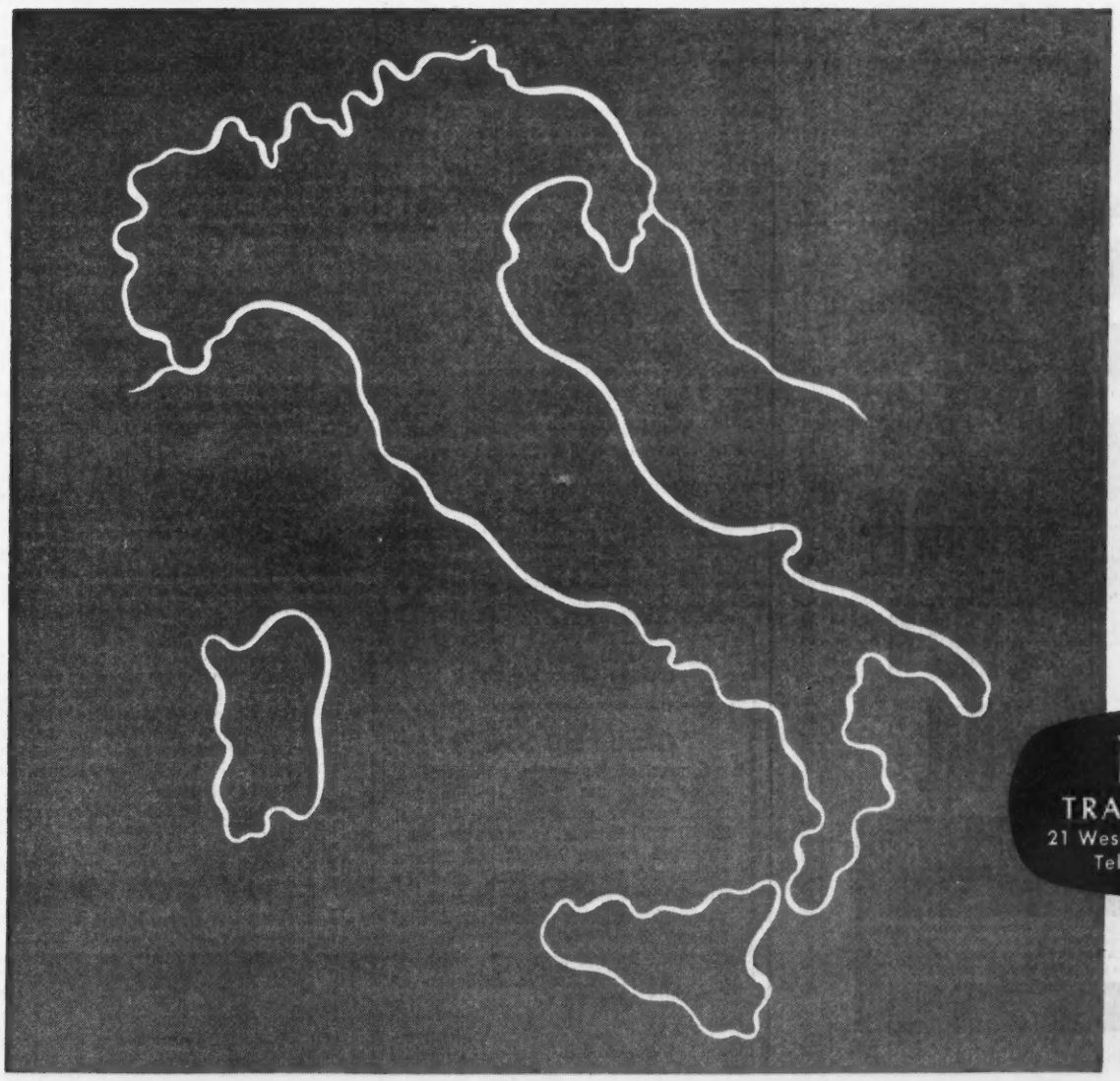

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P-49

Petroleum Derivatives

Steadily maintained price schedules were the rule in the petroleum market. The current situation indicated that the market would remain in balance, as there appeared to be nothing in the production situation that would contribute to price adjustments. Demand for toluol continued heavy and put this material in a short supply position. Shipments on many industrial orders were delayed because of the government's requirements for aviation gasoline and nitration material. Some time would be required before this situation of shortage could be eased.

Other aromatic solvents remained in ample supply in spite of continued heavy demands. Xylol was available in quantities as required, although no surplus of significant proportions was developed. Aliphatic solvents remained available in comfortable amounts for most market requirements, which have continued at the brisk pace of recent weeks. Demand for waxes from consuming industries maintained a good level and was met without difficulty from current production. Export demand, considerably depressed of late, showed no significant changes.

Liquefied petroleum gases followed their seasonal trend and remained in a somewhat tight position, partly because of the active demand for them for heating purposes in most parts of the country and also because of local difficulties in obtaining transportation facilities. The situation was expected to continue throughout the next thirty days with little relief, although no widespread hardship was indicated. Consumers found mineral oils available in ample quantities and showed a buying interest at least as great as that of the past sixty days. Petrolatum as well, was in a position of comfortable supply.

Solvents and Diluents

Mineral Spirits—A steady demand from industrial users was reported during the week. Production levels were considered high enough to meet the demand without extensive delay in shipping schedules. Prices held steady, showing no inclination to change from their previously established position. No immediate change in the comfortable position of the material was expected in the trade during the immediate future.

The odorless material, quoted in OPD as specially refined, commanded an active interest from manufacturers. Although most users felt that a considerable amount of research was required before a completely satisfactory product was achieved, production continued to increase as new users placed orders. Price schedules in the immediate past have remained steady.

Toluol—Increased government demands tended to put added strain on already insufficient output. Military requirements for aviation gasoline and for nitration purposes have continued to hit higher amounts during the past sixty days and showed every indication of making further gains. These requirements proved more than current production could handle without cutting into the availability of the material for civilian users. The resulting pinch was considered critical by observers in the trade, who stated that no easing in the situation could be expected during at least the next thirty days. The tightness of supplies turned some civilian users to the substitution of more readily available materials where this was practicable.

VM&P Naptha—The first thirty days of the year brought a steady call from industrial users, continuing the sizable demand of the previous three month period. An unchanged price schedule was maintained as market and production conditions both worked toward holding the current price level. Production as well, continued without sizable variation, putting sufficient quantities of the material on the market to satisfy all orders of average size without difficulty. No change in the evenly balanced situation was expected in the trade in the immediate future.

Xylol—Users were able to obtain enough material on the market to fill their demands, but found it not so freely available as three to six months ago. Some of the unfilled demand for toluol has been met by xylol as users substituted the more readily available material. The increased demand, as well as a reduced output, has produced a strong undertone in the market, although manufacturers stated that no actual shortages have appeared. Prices maintained their former position and showed no inclination to vary.

Price Trends

Advanced
None
Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
104.13	104.13	104.13

(For Current Prices see page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended January 17, totaled 267,513,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 267,878,000 barrels for the preceding week, this represents a decrease of 365,000 barrels comprising an increase of 145,000 barrels in stocks of domestic crude and a decrease of 510,000 barrels in stocks of foreign crude.

Lighter Fractions

LPG's—Total demand for liquefied petroleum gases during November, 1952, amounted to 8,997,000 barrels, according to figures released by the Bureau of Mines. Production for the same period came to a total of 8,849,000 barrels. During the month stocks of all liquefied gases at plants and terminals were reduced.

Supplies of propane tightened up somewhat during the past week as a result of increased seasonal demands and delays in returning tank cars. Deliveries fell from three to four days behind schedule in many areas. Supplies of butane were in a similar but somewhat easier position in most parts of the country. With demand reported very good for all liquefied gases and almost certain to continue undiminished during the coming thirty days, very little easing in the situation was expected. Dealers stated, however, that no critical shortage was expected, barring unexpectedly severe weather.

Waxes

Microcrystalline—A good demand was noted by manufacturers who reported that consumer requirements were running considerably ahead of the levels of three to six months ago. As a result, manufacturers were shipping almost all of their current production. Quotations held steady on all grades as even firm offers were met with an unyielding price structure. No immediate change in the situation of comfortable balance was expected in the trade in the coming week.

Paraffin—A sluggish export market offered cause for concern in the trade, as manufacturers found many countries self sufficient. Domestic needs remained steady at the recently advanced rate of demand and showed a generally healthy aspect. Production was maintained without difficulty and proved ample to meet most current needs without difficulty. Price scehules held at previously established levels and showed no inclination to vary.

Miscellaneous

Crude Oil—Imports of crude oil and petroleum products for the week ended January 17 totaled 1,121,600 barrels per day, the Bureau of Mines announced. The figure was slightly under the average for the four weeks ended January 17, which was reported as 1,139,200 barrels per day.

Natural Gasoline—Daily average production in November, 1952, was repoorted by the Bureau of Mines as 645,000 barrels, 14,000 barrels per day above October. Total stocks decreased 306,000 barrels during the period.

Los Angeles Petroleum Market

Demand for solvents and diluents remained at a good level over the week with supplies adequate to meet present requirements. Prices were unchanged as follows:—Lacquer diluent quoted 16.7c. to 20.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles Basin area. Cleaning solvents, including Stoddard, quoted 15.7c. to 19.7c. per gallon, same basis.

For Late Market Developments, See Page 4

Greece Authorized by MSA To Buy Petroleum Products

The government of Greece has been granted procurement authorizations by the Mutual Security Agency to purchase $80,000 of white spirits, miscellaneous liquid petroleum products and paraffin wax from the United States, and $250,000 for purchase of chemicals and chemical preparations of which $100,000 is for caustic soda, from the United States and Canada, according to the MSA office of small business.

The purchase authorization for petroleum products, etc., is 40-620-00-3033, and the authorization number for the chemicals is 40-390-00-3031. MSA said that American suppliers, before signing contracts, should make sure that such contracts, before becoming effective are contingent upon:—(1) availability of export control quotas for the country of destination, if necessary; (2) their obtaining an export license, if required; and (3) their receipt of a letter of credit.

Shell Development Names Smith Exploration Director

N. D. Smith, jr., has been appointed director of the exploration and production research division of the Shell Development Company, New York. Mr. Smith's headquarters will be in Houston, Tex. He joined Shell in 1935 as a seismologist in Tulsa, Okla., and in 1945, after a three year leave of absence for service with the Naval ordnance department, he was appointed manager of the physical department in Shell's exploration and production research laboratory in Houston. He has been manager of the laboratory since 1947.

Texas Eastern Appoints McDonald Superintendent

H. M. McDonald has been promoted to general superintendent for the Texas Eastern Transmission Corporation and Paul L. Hughen has been promoted to pipeline superintendent, according to an announcement by E. R. Cunningham, vice-president in charge of operations. Others promoted were Carl R. Sisson, who replaces Mr. Hughen as manager of the corporation's division three in West Chester, Pa., and Murrell Carlisle who replaces Mr. Sisson as assistant manager of that division.

Olin Industries Sets Up New Research Organization

Olin Industries, Inc., East Alton, Ill., has announced the formation of a general research organization and the naming of five department managers for the organization. Laboratories already have been established at East Alton and New Haven, Conn.

Following are the new managers:—Dr. Herman Bruson, organic chemical research; Melvin M. Johnson, jr., armament research; Hibben Ziesing, petrochemical research; Robert L. Womer, new products research, and Oscar J. Swenson, chemical engineering research.

Anderson-Pritchard Buys Control of Kanotex Refining

Anderson-Pritchard Oil Corporation, Oklahoma City, Okla., has purchased stock control of the Kanotex Refining Company. The acquisition gives Anderson-Pritchard, a leading supplier of industrial naphthas for over thirty years, refineries in three states—Oklahoma, Texas and Kansas—and will enable the concern to expand its distribution facilities.

Indoil Assigns Two

Evert Pearcy has been appointed eastern sales representative of Indoil Chemical Company with headquarters in New York. Mr. Pearcy was formerly with Sid Richardson Carbon Company. Harold Lorenz has joined the sales staff of Indoil, with headquarters in Chicago. Mr. Lorenz was formerly with Westvaco Chemical Division of the Food Machinery & Chemical Corporation, New York.

Textile Chemical Manufacturers To Meet in Philadelphia Feb. 17

The Textile Chemical Manufacturers Association will meet February 17 at Beck's on the Boulevard, Philadelphia, at noon. The executive committee will confer at 11 a. m.

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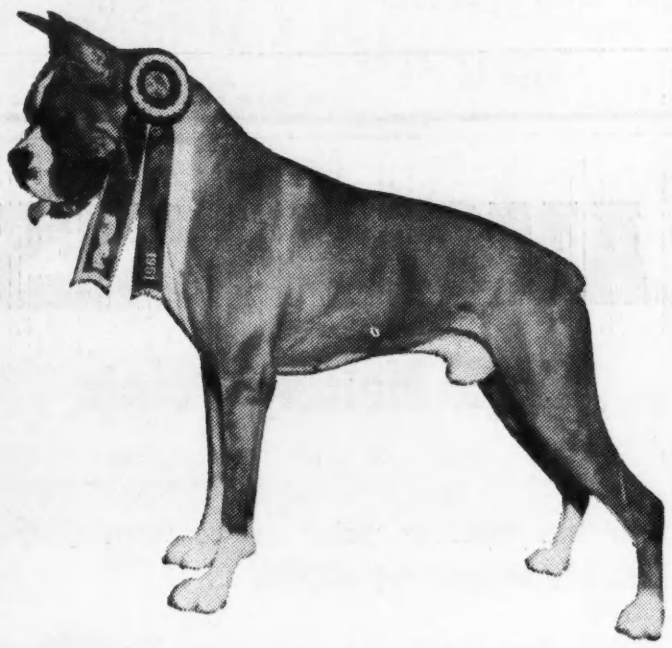

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"ELASTEX" 50-B* Plasticizer
"ELASTEX" 28-P Plasticizer (DOP)
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Coal Chemicals

The price of 29-degree orthocresol was reduced along with the 30-degree material as producer schedules came down 2½ cents to meet the competition of an earlier reduction. One source has reduced its isonicotinic acid creating a new range in prices. There were no other price changes reflected in the index of this market.

Other changes in schedules which have taken place were within the limits of already established ranges, or were not to become effective until the middle of February. Most producers have advanced their pyridin prices by this time. What price revisions were left were expected to come within the limits established for 2-degree material in previous weeks. Producers of creosote and coaltar have already notified their contract customers that the full 10 percent increase allowable under amendment 14, to S.R. 13, will become effective at the start of the third week of February. The range between contract and spot quotations will be eliminated then.

There has been no further price activity reported in the markets for the picolines. Some sources were still considering the latest advances in schedules.

Coaltar benzol, toluol, and xylol were still moving as fast as they were being produced. Demand for toluol was in excess of producers' capacities to make the material. Producers said that demand for coaltar benzol and xylol was excellent. Some sources have been regularly reporting tight conditions for benzol.

The cresols and cresylic acid have not demonstrated a definite upward trend in activity levels. The tar acids have been moving along all right, but not as well as producers would like to see. Natural phenol has shown pretty good activity. However, synthetic material was not moving as well as it should. Producers were still looking for more buying during this first quarter.

The American Iron and Steel Institute announced that the operation rate for the week ending January 31, was scheduled to be 99.3 percent of theoretical capacity. This was equivalent to 2,238,000 tons of ingots and castings. In comparison, the previous week's actual output set a new weekly record which was 2,248,000 tons at an operation rate of 99.7 percent. Actual production one month ago was 2,226,000 tons and actual output one year ago was 2,053,000 tons.

Basic Products

Benzol—A high level of demand has been sustained for this and other light oils. Producers have easily been able to move all of their output. It was expected that current buying levels would hold up through the first quarter of the year. Many sources were optimistic enough to look for good business during the first half of the year. Some producers were even more hopeful, expecting the high level of activity to be sustained for the rest of the year.

There has been no further price activity reported in this market. A few producers still have not raised their schedules under amendment 14 to S.R. 13.

October production of all grades, except motor benzol, amounted to 24,174,582 gallons, compared with September production of 20,181,909 gallons, Tariff Commission information indicates.

A breakdown of the figures shows that cokeoven operators produced 15,061,913 gallons of the October amount, and 13,658,357 gallons of the September figure. Tar distillers produced 4,901,038 gallons of the grades other than motor benzol in October, and 3,480,704 gallons in September. October production of these grades by petroleum producers was 4,211,631 gallons, compared with September output of 3,042,848 gallons.

In addition, cokeoven operators also produced 187,339 gallons of motor benzol during October, and 163,236 gallons during September.

Creosote—There were no particular changes in the market for this material. Supplies have been adequate enough to take care of consumers' needs. Demand levels have been fairly good. The market was reported to be pretty steady.

Schedules of creosote were due to increase on a contract basis by February 15 or 16. The range in quotations was 20c. to 22c. for crude coaltar material, which represented the difference between the present contract and spot prices. The range will be eliminated when the contract prices come in line with the increased spot prices, inasmuch as producers have announced the 10 percent boost to their customers. Schedules for refined material were also moving up 10 percent at the same time.

Cresols—Producers have not seen any real sign of an expansion of activity in this market during recent weeks. It was said that demand levels were not too good, and then again they were all right. It was just that there was no dynamic aspect visible in the market at the present time. Producers were still looking forward to an expansion of demand levels in the future. Some were hopeful that it would begin during the next two months.

Last week another producer met the 2½c. price reduction in 30-degree orthocresol announced earlier by other sources. There was still a range in producer quotations since all sources have not met the decline yet.

Current schedules of 30-degree material were at 16c. per pound in tankcars, 17c. per pound for carlots of returnable drums, and 17½c. per pound for less than carlots. Non-returnable drums were within the range of 17.3c. to 19.8c. per pound in carlots, and 17.6c. to 20.1c. per pound for less than carlots.

At the same time that 30-degree material was reduced, one producer announced similar reductions in 29-degree orthocresol. The 2½c. cut brought current levels down to 1c. below the corresponding prices of 30-degree material.

Cresylic Acid—There has been no sign of a real surge in buying in this market. Producers said that activity was not too bad, but it hasn't shown enough strength for a continuous expansion. Prices have held in this market for the past several weeks. The market hasn't been strong enough to merit an increase during the advance of other coal chemicals under the amendments to S.R. 13, and the market wasn't weak enough to necessitate any further declines in schedules.

Importers said that there has been a modest amount of activity for ADF cresylic. Prices during the past week were considered to be a bit firmer. The 85c. price was said to be the absolute bottom of the range for standard acid. There had been some reports of distressed lots or substandard material going for slightly less than that figure, but the current belief was that none could be obtained short of the 85c. mark.

Naphthalene—There hasn't been any significant pickup of activity in this market in recent weeks. Producers were moving the crude domestic material rather slowly. Prices have held to their previously established levels.

Importers reported that activity in 78-degree hot-pressed material has been stagnant. The price of imported crude naphthalene came down steadily during the past year and there has not been any indication that conditions were firmer. A fractional decline in quotations the previous week created a narrow range of 3.75c. to 3.85c. per pound. Current quotations held to that level.

October output of crude naphthalene by cokeoven operators and tar distillers totaled 28,703,210 pounds, according to Tariff Commission figures. In comparison, September output was 27,824,527 pounds.

Tar distillers also produced 6,589,504 pounds of refined material in October, as

Price Trends

Advanced
None

Reduced
Acid, isonicotinic, $2 per lb.
Orthocresol, 29°, 2½c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Feb. 1, 1952
114.22	113.47	113.47	113.88

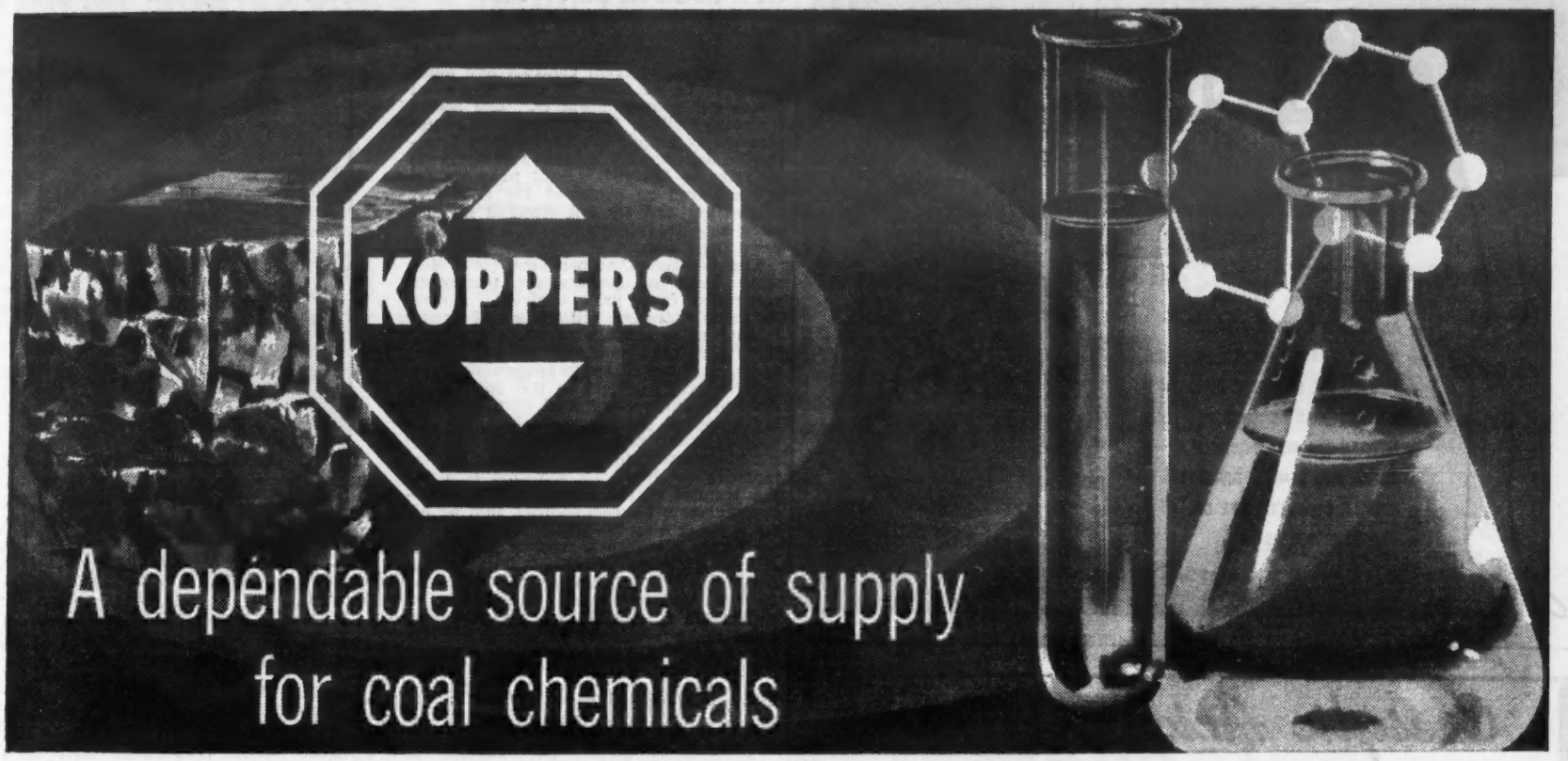
(*For Current Prices see page 9*)

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending January 31, was as follows:—

Ammonia liquid, NH_3	lbs.	1,046,633
Ammonium sulphate	lbs.	37,828,307
Benzol	gals.	3,618,360
Coaltar	gals.	16,596,609
Creosote oil	gals.	927,018
Naphthalene, crude	lbs.	2,556,775
Pyridin, refined	lbs.	26,913
Toluol	gals.	711,710
Xylol	gals.	189,889

For Late Market Developments, See Page 4



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against 5,523,916 pounds produced in September.

Phenol—Most producers agreed that the market for synthetic material could stand some increased demand. At the same time, some sources report that natural phenol was currently moving pretty well. Demand from phenolic resins and adhesives has held up fairly well. The price differential between synthetic and natural grades seemed to be the governing factor which caused one material to enjoy a better level of business than the other.

Total output of natural and synthetic phenol in October was 31,121,538 pounds, according to information from the Tariff Commission. By way of comparison, September production of technical and USP material was 23,655,946 pounds.

Pyridin—There was no significant change in this market during the past week. The price activity precipitated by changes in the ceiling price regulations of coal chemicals has fallen off into a temporary lull in tarbases. Although the price advance for 2-degree pyridin has not been effected by all producers, the outer and bottom limits of the price range have been pretty well established by now. Since the increases were limited to 10 percent for any one product, the $1.15 figure, which is a boost of the indicated percentage over old levels, represents the maximum any producer can go to under current ceiling regulations. By the same token, the bottom of the price range has already been advanced to a point which completes the bracket around the old levels. Thus, any further activity by producers who have not advanced their schedules yet was expected to be within the already established limits.

Toluol—The market for this aromatic was still very much in tight supply. Producers were moving every bit of their production as fast as they made it. Government requirements alone, have been enough to keep producers pretty busy. Thus, the amount of solvent available for industrial consumption has been reduced by the quantities going into defense purposes. Since the demand for toluol from industry has been at a good level, the combination has resulted in a pinch on supplies. Further, as producers were required to supply more material for aviation gasoline and T.N.T. production, the allotments to consumers were necessarily cut back in proportion.

Xylol—Demand for this light oil has been kept up at excellent levels, producers said. Supplies were fairly adequate to take care of immediate needs of consumers. Some sources have reported indications of some tightening in the supply situation. Prices have held to their old levels.

Total production of xylol from all sources was 7,042,914 gallons in October, according to the Tariff Commission. September production of coaltar and petroleum material totaled 5,868,696 gallons.

Intermediates

Chlorinated Benzenes—Producers reported that there has been some slight seasonal improvement in the number of calls they were receiving from consumers. The halogenated hydrocarbons which were showing increases in activity included orthodichlorobenzene, monochlorobenzene, and paradichlorobenzene.

The increase in buying activity has not been sufficient to appreciably change the supply and demand picture yet. There was an ample supply of ortho and para dichlorobenzenes and monochlorobenzene. Consumers were not expected to have any difficulty in obtaining material. Prices have remained at their previously established levels.

Isonicotinic Acid—The price of this tar base derivative has come down $2 per pound. Current quotations of 100-lb. drum quantities were between $8 and $10 per pound. It was said that the leveling-off of demand for isoniazid and the previous high production rates created a surplus of material which is being reflected in the price schedules for the raw material.

Phthalic Ahydride — Most producers found that demand levels for this intermediate have held up quite well. One source stated that although the activity was not bad, the market was not dynamic. It was felt that the overall potential demand has not fully shown itself yet. From this standpoint, some expansion in consumer requirements was still anticipated. Some sources were hopeful that there will be some increase in activity in the next two months of this quarter.

Styrene—The combined total monomer production of government and privately owned plants was 68,368,293 pounds in October, compared with 52,560,706 pounds in September, Tariff Commission figures indicate.

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6. ELASTOMERS, RUBBER CHEMISTRY and TECHNOLOGY
5. WAX, PAINT and VARNISH, COLLOIDS, ENGINEERING
4. MICROBIOLOGY, TOXICOLOGY, CLINICAL EVALUATION
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OPS Controls on Certain US Property Sales Lifted

The Office of Price Stabilization last week suspended from controls five additional types of sales of certain United States government property. The action (General Ceiling Price Regulation, Supplementary Regulation 72, revision 1, effective January 28) suspends controls on all sales of US government property (1) not acquired or produced for resale or stockpiling and (2) not covered by any other supplementary regulation or ceiling price regulation.

The additional suspensions cover the same kinds of commodities previously suspended from price controls. Noting the administrative difficulties of maintaining price ceilings in an area where there have been no significant price rises, the agency has extended suspension from price control, subject to the two conditions previously mentioned, to the following types of government sales:—(1) By-products; (2) commodities produced by the government for its own use; (3) commodities produced by someone else for the account of the government for government use; (4) commodities sold or offered for sale by the selling agency of the particular government agency or instrumentality during the GCPR base period, December 19, 1950-January 25, 1951; and (5) commodities for which there was an application for establishment of a ceiling price under section 7 of the GCPR before the issuance date of GCPR, SR 72.

Int'l Minerals Managerial Post Goes to J. L. Mealy

J. L. Mealy, former sales manager of the Thomson phosphate department of the International Minerals & Chemical Corporation, Chicago, has been appointed sales manager in charge of direct application rock phosphates. Mr. Mealy will have full responsibility for all sales of finely ground phosphate rock for direct application to the soil. At the same time, Mr. Mealy has assumed the sales duties of Miss M. C. Boyle, manager of the department, who has taken on an advisory status prior to her retirement on March 31.

Miss Boyle is one of the founders of the Thomos Phosphate Company and was president for over ten years prior to the purchase of the company by International on January 1, 1951. Mr. Mealy has spent seventeen years in agricultural sales and has been with International for the past five years. He will be assisted in his new duties by H. R. Haiden, who has been named assistant sales manager, direct application, rock phosphates.

Metro-Atlantic Opens in South

Metro-Atlantic, Inc., has announced the opening of new southern headquarters at 1210 New Buncombe road, Greenville, S. C. Henry Papini, vice-president of Metro Atlantic and its subsidiary, Metro-Dyestuff Corporation, will be in charge and will direct laboratory, offices, and warehouse functions from the above address.

DSFA Coke Unit Head Named

Horace M. Bringhurst has been named director of the coke division of the Defense Solid Fuels Administration to succeed George P. Wilson, jr., who has returned to his post as executive assistant to the general manager of the engineering and construction division of Koppers Company, Pittsburgh, Pa. Mr. Bringhurst, who has been assistant director of DSFA's coke division since November, 1951, was director of foundry coke sales in the Detroit, Mich., area for Semet-Solvay Division, Allied Chemical & Dye Coproration, prior to joining DSFA in 1951.

Trade Briefs

General Electric Company's chemical division has named John P. Donohue manager of the financial department.

General Aniline & Film Corporation has appointed Everett Peterson wage and salary administrator.

Gen'l Dyestuff Ad Manager

Robert J. Hamilton, jr., has been named advertising manager of General Dyestuff Corporation, New York. Mr. Hamilton has been associated with the concern since 1929. In his new post he will handle advertising for both General Dyestuff and its Antara Chemicals Division.

Aluminum Scrap Export Quota Fixed for Jan.-Mar.

Export quotas for aluminum scrap and corrugated sheets of 100,000 pounds and 4,000,000 pounds respectively have been set for the first quarter of 1953 by the Office of International Trade. The agency also announced a 300,000-pound first quarter quota for ferromanganese, and a 120,000-pound quota for electrolytic manganese metal.

The aluminum scrap quota is the same as that set for the fourth quarter of 1952; the sheet quota is up 200,000 pounds; the ferromanganese quota is unchanged; and the electrolytic manganese metal quota is down 30,000 pounds from the fourth quarter.

As in previous quarters, the export quotas for a number of other aluminum items not under the Controlled Materials Plan are on an open-end basis, with no quantitative limitations on exports set, but export licenses are required. Included among these items are aluminum foil and leaf, and aluminum-bronze and aluminum powders and pastes.

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Textile and Leather Chemicals

There was little snap to trading in textile and leather chemicals last week. Consumers continued to limit purchases to immediate delivery and were not disposed to place contracts for later requirements. However, withdrawals against former contracts moved at a good rate. Increased competition weakened imported potato starch for spot delivery and quotations dropped fractionally, while sago flour was higher, reflecting the increased cost of shipments from producing centers. Sulphonated tallow was lower, as result of the steady decline of the basic material.

While imported potato starch on spot was easier, due to larger stocks, the cost of shipments from Denmark and Holland was without change. Production of domestic potato starch continued limited and prices were more or less nominal. The difficulty of obtaining tapioca flour from Brazil, brought increased inquiry for replacements from Siam and Java. Stocks of Brazilian on spot were scarce and doled out to regular customers. Improved demand was noted for corn dextrin and starch for immediate delivery. Stocks of sago flour on spot were light and the higher cost of replacements caused prices to stiffen, despite quiet demand.

The outlook is good for world trade in wool during 1953, according to a report released by the International Wool Secretariat, London. The report stressed a rapid rise in wool consumption in Japan now using 29,500,000 pounds quarterly, nearly double the early 1951 level. The United States remained the world's largest wool user, with an estimated consumption of 117,000,000 pounds a quarter. Britain was second with 92,000,000 pounds a quarter. The Secretariat estimated current world consumption at 2,260,000,000 pounds yearly.

Price Trends

Advanced

Sago flour, raw, ¼c. per lb.

Reduced

Potato starch, imp., ¼c. per lb.
Tallow, sulph., ¾c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb 1, 1952
102.12	102.12	101.15	99.34

(*For Current Prices see page* 9)

Chemicals

Acetic Anhydride—Moderate movement was noted against recent orders, while new business was reported spotty. Market was steady at current quotations.

Bichromates—Steady demand continued against contracts. Interest in spot delivery was limited to actual needs. All grades were maintained at unchanged prices.

Sulphonated Oils—Lower cost of tallow was reflected in sulphonated grades and quotations were materially reduced. Other sulphonated oils were unchanged and steady. Demand was fairly active for prompt delivery.

Sizing Materials

Blood Albumin—Moderate improvement was noted for immediate delivery. Supplies were ample and maintained at former levels. Drums were quoted at 67c. per pound, and smaller quantities ranged up to 80c. per pound, as to quantity.

Corn Dextrin—Consuming demand was fairly active with buyers taking larger quantities for prompt delivery. Prices of all grades were unchanged and steady. Gum was quoted at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.69; dark, $8.79, and white, $8.53, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Demand was better for immediate delivery. Market was unchanged and steady. Pearl was quoted at $7.14 per 100 pounds, paper bags, carlots, New York, and powder, $7.26, same basis. Less carlots were 15c. higher. The visible corn supply declined 1,423,000 bushels to 47,821,000 bushels for the week ended January 23, against 51,281,000 bushels for the same time last year, it was reported by The Chicago Board of Trade.

Relatively large stocks of corn totaling 2,576,000,000 bushels remained in all storage positions on January 1, 1953, according to the Bureau of Agricultural Economics. This total is 9 percent larger than the 2,357,000,000 bushels a year ago. It is the third largest for the date in the 10 years of comparable record, having been exceeded only in 1950 and 1951. Farm stocks of 2,173,000,000 bushels are largest for the date since 1950. The off-farm portion is also relatively large, chiefly because of the 244,000,000 bushels owned and stored in their own bins by Commodity Credit Corporation.

Egg Albumen—Light trading continued last week as consumers preferred to await new production. Supplies were adequate to cover limited demand. Flake was quoted at $2.56 to $2.58 per pound and powder, $2.60 to $2.62 per pound as to quantity and seller. Technical remained steady at $1.01 to $1.08 per pound, on spot depending upon quantity.

Egg Yolk — Supplies were short and closely held at the recent advance. Trading was moderate, chiefly for immediate needs. Prices ranged from $1.06 to $1.08 per pound, according to quantity.

Potato Starch — Business was still spotty, chiefly for prompt needs. Dutch starch was unsettled with trading taking place at 8.60c. per pound, carlots exdock, duty paid, the same price quoted for Danish. Some sellers of Dutch were naming 8.75c. per pound, same basis. Imported starch on spot was easier and off ¼c. per pound, ranging from 9½c. to 10¼c. per pound, exwarehouse, depending upon quantity. Domestic starch supply situation continued tight. Production in Maine was practically nil and the smaller output of Idaho mills was absorbed by western consumers, compelling eastern users to purchase imported. Domestic on spot was quoted at 11½c. to 12c. per pound, exwarehouse, according to quantity.

Rice Starch—Small lot trading was reported for spot delivery. Prices were unchanged at 15c. to 17c. per pound, exwarehouse, as to quantity and quality.

Sago Flour — Strength in the primary market stiffened shipments and quotations were higher. Prompt shipments was firmer at 7c. per pound, carlots, exdock and offerings were scarce and well held. This created a firmer tone locally and raw flour was advanced to 7¾c. to 8c. per pound, exwarehouse, as to quantity. Refined was quoted at 9c. to 9¼c. per pound, same basis.

Tapioca Flour — Buying interest was light, and centered in shipments from Java and Siam. Brazilian flour was scarce and merely nominal. Small lots ranged from 14c. to 20c. per pound, exwarehouse, as to seller and buyer. New crop was not expected to be available until May or June. Shipments from Java of AAA were unchanged at 9½c. per pound, carlots, exdock; AA, 9c., and A, 8¾c., same basis.

Tanning Materials

Chestnut Extract—Buying interest continued spotty for immediate delivery. Market remained steady at unchanged quotations. Extract 25 percent tannin was quoted at 4¼c. per pound, tankcars, f.o.b. works and 5.1c. per pound, barrels, carlots, same basis.

Cutch—Shipments were maintained at 8¼c. per pound, exdock, plus duty. Offerings were limited.

Mangrove Bark—Despite quiet demand, this market was steady at prevailing levels. Colombian bark held at $60 per ton, exdock and Ecuadorian at $57.50 per ton, and African at $79 to $80 per ton, same basis.

Myrobalans—Offers for shipments were fairly liberal, but tanners showed little interest in replacements. JI's were held at $45 per ton, exdock; assorted at $48 per ton, and crushed, $65 to $66 per ton, same basis.

Quebracho Extract—Heavy arrivals of late replenished low tanners inventories and interest in later requirements was slow. Shipments were unchanged and steady. Solid ordinary was quoted at 11 31/64c., per pound, carlots, exdock, and clarified, 12 3/16c. same basis, plus duty.

Valonia—There was no change in this market. Demand was quiet. Shipments were available at former levels. Beards were quoted at $85 per ton, exdock and cups at $64 per ton, same basis. Extract was held at 9½c. per pound, exdock, plus duty.

Wattle—This market held steady, despite quiet demand. Prices were well held for all grades. Fair average was quoted at $104 per ton, exdock and merchantable, $100 per ton, same basis, South African extract was unchanged at 11⅛c. per pound and East African, 10⅞c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

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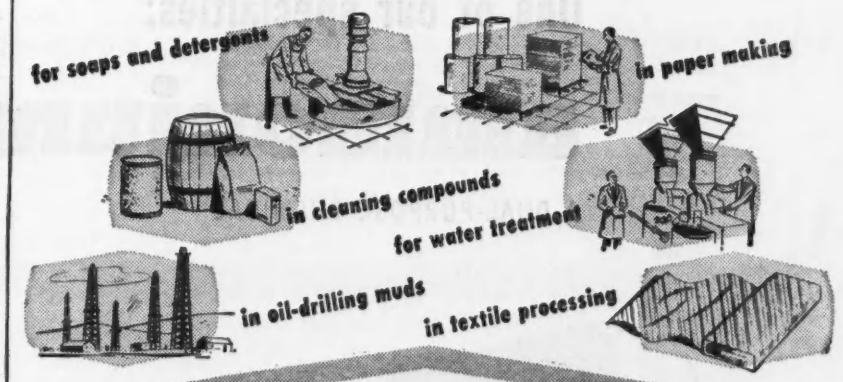

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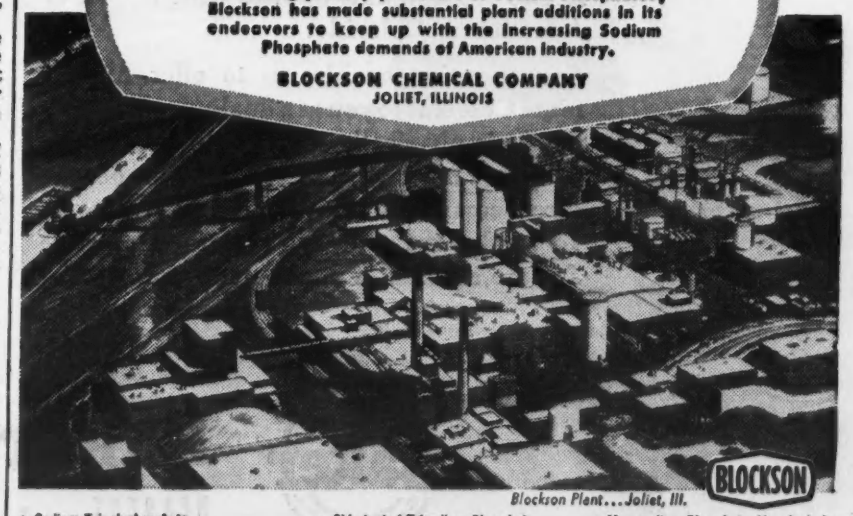

Blockson Plant...Joliet, Ill.

- Sodium Tripolyphosphate
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- Sodium Polyphos (Sodium Hexametaphosphate) (Sodium Tetraphosphate)
- Trisodium Phosphate, Crystalline
- Chlorinated Trisodium Phosphate
- Trisodium Phosphate, Monohydrate
- Disodium Phosphate, Anhydrous
- Disodium Phosphate, Crystalline
- Monosodium Phosphate, Anhydrous
- Monosodium Phosphate, Monohydrate
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- Sodium Silicofluoride
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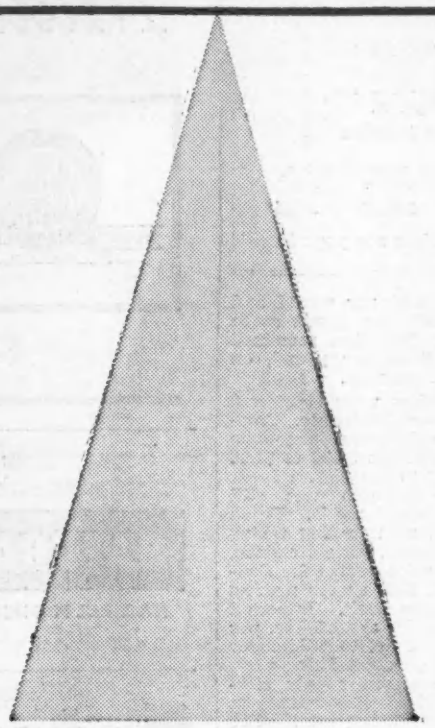

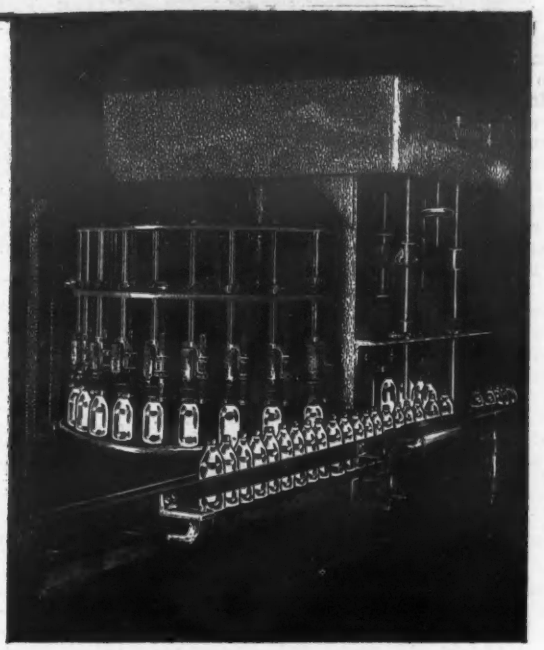

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Baker Chemicals

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The influx of imported materials into the domestic market was credited with forcing brucine alkaloid and sulphate prices downward last week. The overall reduction amounted to 5 cents per ounce although the lower quotations thus arrived at could be readily shaded according to sources in the trade. Demand for brucine alkaloid and sulphate was reported to be only fair while supplies were more than ample thus contributing to the weakness in the price structure. Domestic producers, with fixed manufacturing costs, find it difficult to compete with lower priced material produced abroad at negligible costs. In the past few years, foreign producers of drugs and chemicals have made a strong comeback into this market.

Theobromine prices were reported to be unsteady due to foreign competition. Caffeine quotations, while unchanged, were somewhat weak due to the presence of lower priced imported material on the market. Domestic producers have been able to hold their own, generally speaking with the lowered priced imports due to the quality of their material. Some batches of foreign caffeine landed here have been reported as having a bad odor and color. These factors have been drawbacks to the use of lower priced imported caffeine by several manufacturers of drugs incorporating this material in their formulations.

In the commodities market, there has been an increase in the price stability of some items. Menthol quotations have apparently reached their low point, at long last. Menthol prices fell steadily during 1952 but for the past month or more have been rather firm. Brazilian menthol quotations were expected to rise accordingly to some observers in the trade since replacement costs were said to be higher than the current market. Cocoa butter was in strong demand with quotations showing an increase in recent weeks. The tartrates were in fair demand being currently in their off season. Domestic price schedules were unchanged while imported tartaric acid and cream of tartar were priced at lower levels. Demand for these items was expected to pick up in the Spring.

In the chemical market, there was little change. Ethyl alcohol was reported to be moving in good volume as well as certain of the lacquer solvents such as methylethylketone, methylisobutylketone, ethyl acetate and butyl acetate. Synthetic methanol was in fair to good inquiry. Formaldehyde consumption was said to be heavy and the consumption of synthetic methanol in its manufacture proportionately substantial.

Acetone—Demand for this ketone continued at good levels. Supplies have also continued adequate for current consumption while prices have been unchanged. Producers expect consumption of acetone in the coming year to exceed that in 1952 barring any unforeseen occurrence such as strikes in industries consuming acetone or allied to those that do use this solvent in their operations. With defense production mounting and governmental policy inclined toward "a guns and butter economy" for 1953, demand for acetone was expected to continue good.

Production of acetone, as reported by the United States Tariff Commission totaled 46,965,497 pounds in October, 1952, compared to 39.112,649 pounds produced during the preceding month.

Acetylsalicylic Acid—Demand for this material was reported to be fair, on the whole. Consumption has been steady but not especially heavy according to reports. There has been increased competition offered to acetylsalicylic acid from other compounds also used in analgesic preparations. The substantial price differential has kept down the inroads made on the aspirin market to date, however. Supplies of acetylsalicylic acid have been ample for current demand and price schedules have remained unchanged for a considerable length of time.

Production of acetylsalicylic acid during October, 1952, totaled 1,189,042 pounds according to the Tariff Commission. This was a substantial increase in production over that of the preceding month which aggregated 806,966 pounds.

Amyl Acetate—Demand for this ester solvent was fair, on the whole. Lacquer production and consumption has been slowly on the rise and most solvent producers were confident of a substantial increase in the consumption of lacquer solvents in 1953. These predictions have been based to some degree upon the announced goal of six million automotive vehicles in 1953. The furniture industry, which consumes a substantial portion of the lacquer produced, was reported to expect a better year in 1953 than it had in 1952. This factor plus stepped up defense production seemingly has indicated increased consumption of lacquer solvents in the coming year.

Price schedules on amyl acetate, both synthetic and fermentation, were unchanged. Production of amyl acetates which includes normal amyl, iso-amyl and "all other" amyl acetates, aggregated 683,995 pounds in October, 1952, compared to the 522,718 pounds turned out during the preceding month, the Tariff Commission reports.

Atropine—Demand for this alkaloid was very quiet while that for the sulphate was only a notch higher. Supplies were ample for current inquiry. Current price quotations on the alkaloid ranged from $9.35 to $10 per ounce while atropine sulphate quotations varied from $4.50 to $5 per ounce.

Brucine—Quotations on brucine alkaloid and sulphate declined 5c. per ounce last week under the impetus of the flood of lower-priced imported material coming into this market. At least one domestic manufacturer intimated that he was holding his price schedules unchanged. In face of the substantial quantity of lower-priced brucine on the market, it was not considered likely that much brucine was being sold at this higher level. Currently, brucine alkaloid was available at prices ranging anywhere from 25c. to 35c. per ounce, in 100 ounce lots. The sulphate was quoted from 20c. to 30c. per ounce, on the same basis. It was further stated that these lower price quotations could be shaded readily depending upon competitive conditions.

Domestic manufacturers of brucine and brucine sulphate have fixed manufacturing costs which make it difficult for them to compete profitably with imported material manufactured abroad where labor costs are a great deal lower. As far as current demand, inquiry was said to be nothing spectacular at any rate.

Castor Oil—Arrivals of beans at Philadelphia and New York ports last week amounted to 11,267,850 pounds, as compared with 4,030,500 the previous week, and 3,106,350 during the corresponding week of last year. Imports of castor oil at these ports last week totaled 2,254,000 pounds, as against the 1,242,000 pounds brought in during the previous week, and the 7,435,600 pounds landed during the corresponding week of 1952.

Total imports of beans so far this year at Philadelphia and New York amounted to 22,028,700 pounds, compared with 19,891,300 pounds during the corresponding period in 1952. Total oil imports at these ports so far this year amounted to 8,528,400 pounds, as against the 10,320,000 pounds brought in during the same period of last year.

Cocoa Butter—Demand for cocoa butter was reportedly sustained at very high levels. Supplies tended to be short and prices were very firm. The current quotation on cocoa butter was 81c. per pound. Cocoa butter consumption usually continues high until about Easter when confectionary manufacture begins its usual seasonal slowup.

Hexamethylenetetramine — Demand for this compound was fair while supplies were ample for current inquiry. Prices were unchanged.

Production of hexamethylenetetramine during October, 1952, totaled 1,998,842 pounds compared to the 1,736,258 pounds turned out in the preceding month, according to the Tariff Commission.

Methanol—Demand for synthetic methanol was fair to good depending upon the outlook of the different producers queried. Consumption of methanol by the antifreeze trade was poorer than had been expected. The mild winter to date was said

Price Trends

Advanced

None

Reduced

Brucine alkaloid, 5c. per ounce. Sulphate, 5c. per ounce.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Feb. 1, 1952
91.73	91.73	91.74	100.58

(For Current Prices see page 9)

For Late Market Developments, See Page 4

PURCHASING AGENT'S BUYING GUIDE

THIAMINE Hydrochloride / Mononitrate U.S.P.

		COMPARISON	U. S. P.	ROCHE REG. TYPE*	ROCHE AMPUL TYPE*
Specifications	Hydrochloride	Purity (Dry Basis)	98% min.	99% +	99% +
		Moisture	5% max.	0.75-1.5%	2.0-3.5%
	Mononitrate	Purity (Dry Basis)	98% min.	99% +	—
		Moisture	1% max.	under 1%	—

*Usual Commercial Average Range

Source ▸ HOFFMANN-LA ROCHE INC. VITAMIN DIVISION NUtley 2-5000

Supply ▸ Manufactured by the tons. Samples available on request.

Special qualities ▸ Roche thiamine hydrochloride is available in two types:

REGULAR—for tablets, capsules, etc.

AMPUL—an original Roche development; specially prepared and recommended for the manufacture of parenteral solutions.

Roche thiamine mononitrate may have certain advantages in certain types of dry products where unusual stability problems occur.

Packaging ▸ HYDROCHLORIDE: packed in polyethylene bags in 1 to 25 Kg. fibre drums. Small quantities in amber screw cap bottles.

AMPUL TYPE is sealed under inert gas in wide mouth screw cap bottles—the Roche G.I.G. (Gassed in Glass) process.

MONONITRATE: packed in polyethylene bags in 1 to 30 Kg. fibre drums. Small quantities in amber screw cap bottles.

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Nutley 10, New Jersey NUtley 2-5000

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to be responsible but if weather conditions change for the worst, consumption of methanol could be expected to increase in this application.

Aside from the slow demand from antifreeze formulators, demand for synthetic methanol was going well, on the whole. Production of formaldehyde was at high levels and large quantities of methanol went into this end use. Other industrial uses for methanol were consuming substantial quantities of current output, it was said. Prices on the synthetic have firmed considerably and were expected to continue unchanged. Supplies were ample at the current rate of consumption. Production of synthetic methanol during October last year aggregated 88,754,843 pounds compared to the 73,987,032 pounds turned out during the preceding month, according to the Tariff Commission.

Demand for natural methanol was steady and supplies were adequate, according to producers. The volume of demand for natural methanol, which is used as a denaturing agent in the production of industrial alcohol, has generally paralleled that for ethyl alcohol. Currently, this was running at good levels. The price schedule for natural methanol continued unchanged while production figures released by the Tariff Commission indicated a preliminary total of 1,288,160 pounds produced in October, 1952, compared to 1,553,760 pounds turned out in September last year.

Milk Powder—The market in nonfat dry milk solids was weak. There were liberal offerings on light demand. Prices continued to be a matter of negotiation. Increase supplies of roller process supplies packed to be acceptable for sale on the support program.

USDA purchases of spray dried nonfat dry milk solids totaled 4,804,295 pounds during the last reported week while 86,390 pounds of roller process was purchased in the same period. Sales by the USDA totaled 49,440 pounds of spray material during the corresponding period. In contrast to the trend in the production of nonfat milk solids, the output of dry whole milk for November, at 4,840,000 pounds, was the second lowest for the decade, 4 per cent above last year's low point but a decline of 43 percent from the 5-year November average. Cumulative production during the first 11 months of 1952 totaled 92,675,000 pounds, a decline of 26 percent

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from the same period a year earlier. Spray-dried whole milk production, at 4,500,000 pounds, was 2 percent less than a year earlier and 39 percent below the 5-year November average. The 11-month total for 1952 was 86,285,000 pounds, a decline of 25 percent from the same period of 1951. The November output of roller-dried whole milk was 340,000 pounds, more than four times the production of a year earlier, but 69 percent less than the 1946-50 November average. So far in 1952, production totaled 6,390,000 pounds, a decline of 35 percent from the same 11-month period in 1951.

Menthol—Demand for menthol has not changed to any great degree in recent weeks. Those manufacturers who depend heavily on menthol in the preparation of their products still have fairly large inventories on hand left over from the tremendous buying binge upon which most of them embarked shortly after the outbreak of the war in Korea. At that time they all rushed to build their stocks up as rapidly as possible, fearful of a prolonged war in that area and its effect upon the availability of menthol.

Current prices for the Brazilian material were quoted at $5 per pound although there were indications that there was not too much menthol available at that price except in the case of large quantity buyers. Replacement costs of present stocks of the Brazilian were said to be higher. A limited amount of Chinese menthol was still available but the price continued to scare off most would-be purchasers. Japanese menthol was currently quoted at $6.70 per pound, duty paid, although it was reliably reported that this figure could and was being shaded.

Molasses — Feed molasses prices remained unchanged at all points during the week ended January 27, 1952. At New Orleans, the price continued steady at 10 cents (mostly) per gallon with the price at New York quoted at 1c. per gallon higher. Demand continued good to strong in the Gulf area with the exception of at New Orleans where demand was said to be moderate.

On the east and west coast demand for feed molasses remained unchanged from the preceding week. Cane blackstrap supplies were adequate at all points except Savannah which has had a perennial shortness of supply. Citrus and hydrol molasses supplies were reportedly limited at most points. The citrus molasses price at Plymouth, Florida, was reported as $15 per ton (8.7c. per gallon).

Prices have been received for blackstrap produced in Puerto Rico. The gross

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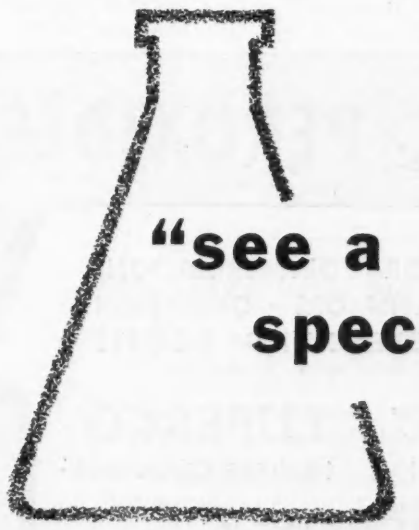
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price (delivered to port) price received by mills from sales to Puerto Rican distributors was quoted at 7c. per gallon. Net f.o.b. mill prices were not reported because of individual mill variations in delivery expenses.

Ecuadoran molasses exports to the United States in August, 1952, totaled 1,000,000 gallons valued at about $88,000. The governmental monopoly hoped in December, 1952, to export an additional 1,000,000 gallons and soon thereafter to consummate the sale of 2,000,000 gallons more. It also was seriously considering reopening the alcohol distillery at Durun. The capacity of this distillery is stated to be over 25,000 liters per 24-hour day.

Silver Nitrate—Production of silver nitrate (100% $AgNO_3$) during November last year aggregated 5,095,000 ounces compared to the 5,629,000 ounces turned out during October, 1952, and 4,647,000 ounces produced during the corresponding month last year, the Bureau of the Census reports.

Sugar—Production of sugar in British Guiana in the first 9 months of 1952 amounted to 159,039 long tons as compared with 136,170 tons in the like period of 1951. The 1952 output was forecast at 230,000 tons.

Imports of sugar into British Guiana in 1952 totaled 84,932 pounds of refined sugar from the United Kingdom valued at $20,643 B.W.I. currency ($1.714 British West Indies currency—US$1).

Bulk purchasing and allocation by the Ministry of Food continues, and all exports are destined to the United Kingdom and Canada. Exports in the first 9 months of 1952 totaled 169,543 long tons valued at $30,351,675 B.W.I. currency, an increase in volume of 55,060 tons, as compared with shipments in the preceding year.

With world-wide prices somewhat stable, every effort is being made to increase sugar production in British Guiana.

Tartrates—Demand for the tartrates was said to be fair, on the whole. Consumption was seasonally off and inventories in the hands of consumers were sufficient for current needs. Imported cream of tartar and tartaric acid were moving slowly with supplies ample for inquiry.

The former material was priced at about 25c. per pound, duty paid, while the latter was quoted at about 2c. per pound higher on the same basis.

Domestic producers of these tartrates report demand to be steady but small in volume as is customary at this time of the year. Consumption of tartaric acid and cream of tartar should step up in the coming months. Prices continue unchanged.

Vitamins—Demand for synthetic vitamins was reported to be going well. Supplies were adequate for current inquiries and prices were steady.

Production of ascorbic acid and salts during October totaled 143,412 pounds according to the United States Tariff Commission. Production of niacin and niacinamide during the same month aggregated 187,475 pounds compared to the 154,584 pounds turned out during the preceding month. Pyridoxine (B_6) production during October last year amounted to 2,014 pounds compared to 1,911 pounds in September while production of thiamin chloride (B_1) in October aggregated 22,265 pounds compared to the 21,188 pounds produced in September, 1952, according to the same agency.

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Fair Trade Writs Granted To 5 Against Schwegmann

Five concerns were granted injunctions last week against Schwegmann Bros.' Giant Super Market, New Orleans, La., banning sales by the grocery firm of their products below fair-trade minimum prices.

Johnson & Johnson and Personal Products Corporation, New Brunswick, N. J., were granted permanent injunctions. Lever Brothers Company, New York; Mathieson Chemical Corporation, Baltimore, Md., and Sterling Drugs, Inc., New York, each received temporary injunctions against the supermarket. The five companies had asked that Schwegmann be restrained from selling their products below the prices established in fair-trade agreements. The Lever, Mathieson and Sterling temporary writs were issued pending further hearings on petitions for permanent injunctions.

Meanwhile, Colgate - Palmolive - Peet Company, Jersey City, N. J., filed suit during the week to enjoin Schwegmann from selling Colgate toilet goods below the minimum prices established under the Louisiana fair trade act.

Hydrocortisone in New Form Offered by Merck

A new form of "hydrocortone," the Merck brand of hydrocortisone, is now available through drug stores for the local treatment of allergic skin disorders, Merck & Co., Rahway, N. J., has announced. The new product is a topical ointment of "hydrocortone" acetate, which is used locally for the relief of contact dermatitis and for atopic dermatitis, including allergic, infantile, and food eczemas.

Lord, Bantin Form Agency

W. Burton Lord and George R. Bantin have announced the opening of Lord & Bantin, Inc., a new advertising agency in Chicago. Mr. Lord is a former director of marketing research for Smith, Kline & French Laboratories, Philadelphia. Mr. Bantin is a former vice-president of the Pharmaceutical Advertising Company, Detroit, Mich.

Metal Can Shipments: Nov.

Total shipments of metal cans during November were 31 percent below October and 7 percent lower than November, 1951, according to the Bureau of Census. These figures are based on metal can shipments expressed in terms of weight of steel consumed in the manufacture of the cans shipped. In November metal can shipments amounted to 245,717 short tons, compared with October's figure of 355,341 short tons, and 263,468 short tons in November, 1951.

Trade Briefs

A. H. Robins Company has appointed Garnett W. Vaughan superintendent of manufacturing.

Central Scientific Company will offer two scholarships for graduate study in 1953-54 for students majoring in the physical sciences and engineering.

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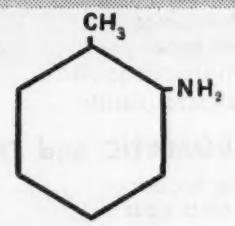

DESCRIPTIVE INFORMATION

This intermediate is a clear, light yellow oil which may darken on storage. It is completely soluble in 10% hydrochloric acid, soluble in ether and alcohol, and sparingly soluble in water. Traces of nitrotoluenes and isomers may be present as impurities. o-Toluidine Technical is available in commercial quantities.

SPECIFICATIONS

o-Toluidine Technical is produced to these specifications: Purity . . . 99.5% minimum

Distillation Range . . . It shall distill 5 to 95 cc between 1.0°C., including the temperature 200.2°C., corrected to 760 mm.

SUGGESTED USES

Opportunities for use of o-Toluidine Technical include application as an intermediate in the synthesis of rubber chemicals, dyes and pharmaceuticals. It may be interesting as an adsorbent for SO_2 and SO_3 waste gases.

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ALPHAPICOLINE—26 dms, American Tebu Corp, Rotterdam
ALUMINUM HYDROXIDE—54 dms, R J Saunders, Liverpool
AMINOPHYLLIN—1 ck, Fallek Products Co, Gothenburg
AMINOPYRINE—3 cks, Fallek Products Co, Gothenburg
AMMONIUM BIFLUORIDE—93 dms, Bank of Athens, Rotterdam
PERSULPHATE—100 kgs, Berkshire Chemicals, London
ANGELICA ROOT—40 bls, National City Bank, Antwerp
ANILIN DYES—13 dms, C A Haynes, Rotterdam
28 cks, A E Nydegger & Co, Rotterdam
20 dms, Hensel Bruckmann & Lorbacher, Rotterdam
40 dms, Ciba Co, Rotterdam
21 dms, Carbic Color & Chemical Co, Rotterdam
2 dms, Chemical Bank, Rotterdam
1 cs, Chemical Bank, Rotterdam
60 dms, L & R Organic Products, Rotterdam
62 dms, Geigy Co, Rotterdam
1 dm, Arlex Dyes & Chemical Corp, Hamburg
ANTIMONY ORE—785 bgs, Associated Metals & Minerals Corp, Arica
5,922 bgs, C Tennant & Sons & Co, Antofagasta
320 bgs, Arica
REGULUS—112 cs, C Gitlan, Antwerp
BARBITAL—2 cks, Fallek Products Co, Copenhagen
BARIUM OXIDE—40 dms, Kemet Co, London
BEESWAX—30 bgs, H H Pike & Co, Ciudad Trujillo
49 bgs, D Steengrafe, Santiago
70 bgs, Santiago
BENTONITE—667 bgs, Whittaker Clark & Daniels, Naples
BENZOIN GUM—18 cs, George Lueders & Co, Bangkok
BERYL ORE—2,630 bgs, Derby & Co, Beira
BILE—9 dms, Vera Cruz
OX—3 dms, Van Gelder Fanto Corp, Rotterdam
BISMUTH METAL—43 bxs, Cerro de Pasco Corp, Callao
BONE BLACK—313 bgs, Riches Nelson, Antwerp
CADMIUM—40 cs, Belmont Smelting & Refining Works, Yokohama
200 cs, Bank of Manhattan Co, Bergen
200 cs, National City Bank, Bergen
40 cs, Fabrikant Steel Products, Yokohama
CALCIFEROL—4 cs, R J Saunders, Rotterdam
CALCIUM GLYCEROPHOSPHATE—7 dms, J M Baird Co, London
CAPROLACTAM—3 dms, American Enka Corp, Rotterdam
CARAWAY OIL—12 dms, Internatio Rotterdam, Rotterdam
SEED—300 bgs, Louis Furth, Rotterdam
100 bgs, R Friedler, Rotterdam
200 bgs, Wm Bernstein, Rotterdam
100 bgs, Wagner Bros, Rotterdam
100 bgs, Levy & Levis Co, Rotterdam
200 bgs, R J Spitz, Rotterdam
400 bgs, Rotterdam
CARDAMOM—20 cs, Landes & Balint, Tuticorin
28 cs, Wm E Martin, Bombay
CASEIN—500 bgs, American-British Chemical Supplies, Buenos Aires
1,417 bgs, Nordisk Transport, Oslo
1,500 bgs, Rotterdam
CASHEWNUT SHELL LIQUID—96 tons, Irvington Varnish & Insulator Co, Cochin
230 tons, Fidelity Union Trust Co, Cochin
CASSIA—121 bls, C M Van Sillevoldt, Rotterdam
181 pkgs, M J Golombeck, Rotterdam
250 bls, A G Dunn, Hong Kong
174 pkgs, Rotterdam
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CASTOR BEANS—1,443 bgs, M N Hakkak, Khorramshahr
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952 bgs, Spencer Kellogg, Jacmel
206 bgs, Spencer Kellogg, Gonaives
1,450 bgs, Spencer Kellogg, Bangkok
1,760 bgs, Baker Castor Oil Co, Salvador
1,069 bgs, Fuerst Bros, Bangkok
60,964 bgs, Santos
6,717 bgs, Rotterdam
OIL—118 tons, Ralli Bros, Bombay
347 tons, Baker Castor Oil Co, Bombay
300 tons, Bunge Corp, Santos
126 tons, Archer-Daniels-Midland Co, Bombay
133 tons, Calcutta
CEDAR OIL—1 dm, Naugatuck Aromatics, Casablanca
CELERY SEED—175 bgs, M J Golombeck, Bombay
85 bgs, Landes & Balint, Bombay
84 bgs, East India Trading Co, Bombay
170 bgs, Becker Mayer Seed Co, Bombay
CHESTNUT EXTRACT—5,600 bgs, International Expediters, Naples
CHILLIES—100 bgs, S L Jones & Co, Kobe
520 bgs, M S Cowen, Kobe
100 bgs, Wm E Martin, Kobe
100 bgs, Toledano & Pinto, Kobe
205 bgs, Public National Bank, Massawa
177 bgs, Corn Exchange Bank, Massawa
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102 bgs, Joensson & Cross, Iskenderun
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132 bgs, Massawa
CHOLIC ACID—3 dms, Van Gelder Fanto Corp, Buenos Aires
CINCHONA PRODUCTS—6 cs, Guaranty Trust Co, Rotterdam
CINNAMON BARK OIL—1 cs, George Lueders & Co, Colombo
QUILLS—75 bls, M J Golombeck, Colombo
CITRONELLA OIL—25 dms, A Maschmeijer, Keelung
COALTAR DYES—2 cks, Fairmont Chemical Co, Rotterdam
1 dm, James E Fox, Rotterdam
COCONUT OIL—599 tons, Pacific Vegetable Oil Corp, Manila
200 tons, L N Jackson & Co, Cebu
COD OIL—25 dms, Bowring & Co, St Johns
100 dms, Scandinavian Oil Co, St Johns
CODLIVER OIL—140 dms, McKesson & Robbins, Bergen
25 dms, Eelsingh & Lugtigheid, Bergen
400 bbls, Arista Oil Products Co, Alesund
100 dms, Arista Oil Products Co, Alesund
200 dms, J H Faunce, St Johns
COPAL GUM—63 bkts, Bank of Manhattan Co, Macassar
130 bgs, Wm H Scheel, Manila
COPPER CYANIDE—30 dms, Bank of Athens, London
COTTON LINTERS—255 bls, Williamson Northrup Co, Santos
COTTONSEEDMEAL—2,643 bgs, Amaren Trading Corp, Beirut
CRESOL—15 dms, Alrose Chemical Co, Rotterdam
CRESYLIC ACID—135 dms, H A Gogarty, Liverpool
CUMIN SEED—400 bgs, J N Germack, Khorramshahr
500 bgs, Istanbul
CUTTLEFISH BONE—250 cs, Soax
DAMMAR GUM—256 bgs, S Winterbourne & Co, Singapore
DEXTRIN—250 bgs, National Starch Products, Rotterdam
100 bgs, Manhattan Paste & Glue Co, Rotterdam
2,090 bgs, Stein, Hall & Co, Rotterdam
293 bgs, Rotterdam
DIACETYL—4 cs, Dorf International, Ltd, Rotterdam
DIETHYLAMINOACETOXYLIDIDE—2 cs, Astra Pharmaceutical Products, Gothenburg
DIHYDROACETIC ACID—9 cks, Dow Chemical Co, Rotterdam
DILL SEED—175 bgs, K A Export Corp, Bombay
100 bgs, Louis Furth, Bombay
EPHEDRINE HYDROCHLORIDE—1 cs, Fallek Products Co, Gothenburg
EPSOM SALT—5 bgs, Leading Forwarders, London
EUPHORBIA HERB—56 bls, Meer Corp, Tuticorin
FENNEL SEED—43 bgs, Westley Shipping Co, Pastelillo
FISHMEAL—6,400 bgs, Wilbur Ellis Co, Walvis Bay
FUEL OIL—99,658 bbls, Remington Oil Co, Curacao
67,583 bbls, Hess Inc, Aruba
97,836 bbls, Hess Inc, Curacao
106,869 bbls, Asiatic Petroleum Corp, Curacao
57,619 bbls, Paragon Oil Co, Tampico
93,789 bbls, Mexican Petroleum Corp, Curacao
97,347 bbls, New England Petroleum Corp, Curacao
337,495 bbls, Esso Standard Oil Co, Aruba
90,000 bbls, Esso Export Corp, Aruba
93,805 bbls, Paragon Oil Co, Curacao
101,350 bbls, Hess Inc, Amuay Bay
86,313 bbls, Whale Oil Co, Curacao
GALL, OX—12 bbls, Brazilian Minerals & Timbers Corp, Santos
2 dms, Brazilian Minerals & Timbers Corp, Rotterdam
1 bbl, Armour & Co, Madras
GELATIN—306 bgs, Transatlantic Animal By-products Corp, Rotterdam
5 bls, Morningstar Nicol, Rotterdam
GERANIUM OIL—2 dms, Belgian American Banking Corp, Mombasa
GHATTI GUM—49 bgs, Paul A Dunkel, Bombay
57 bgs, S B Penick & Co, Bombay
GINGER ROOT—113 bgs, Landes & Balint, Kingston
367 bgs, Otto Gerdau, Rotterdam
97 bgs, Terragiobus Trading Corp, Rotterdam
93 bgs, S B Penick & Co, Rotterdam
GLUE—204 bgs, Transatlantic Animal By Products Corp, Rotterdam
220 bgs, Jung Forwarding Co, Liverpool
STOCK—119 bls, Havana
GLYCERIN—60 bbls, Corn Exchange Bank, Cochin
31 dms, R P Casado, Havana
54 dms, Herlan Mdse Corp, Alexandria
CRUDE—746 tons, Buenos Aires
GRAPHITE—850 bgs, Asbury Graphite Mills, Colombo
600 bgs, Asbury Graphite Mills, Bremen
GYPSUM—9,999 tons, U S Gypsum Co, Hantsport
200 bgs, A Gussner, London
HENNA LEAVES—51 bls, J L Hopkins & Co, Alexandria
HOREHOUND HERB—4 bgs, Marseille
ILMENITE SAND—10,200 tons, National Lead Co, Koilthottam
IODINE, CRUDE—10 kgs, International Fertilizer Chemical Corp, Yokohama
IPECAC ROOT—14 bgs, Max Van Pels, Cristobal
KARAYA GUM—253 bgs, Colony Import & Export Corp, Bombay
134 bgs, Thurston & Braidich, Bombay
184 bgs, Stein Hall & Co, Bombay
308 bgs, East Asiatic Co, Bombay
KOLA NUTS—112 bgs, R B Willson, Kingston
LEMONGRASS OIL—3 dms, Schupf Co, Kozhikode
6 dms, National City Bank, Cochin
LIVERMEAL—700 bgs, Montevideo
LOCUSTBEAN CUM — 459 bgs, Guaranty Trust Co, Rotterdam
248 bgs, Genoa
LOGWOOD EXTRACT—150 cks, American Dyewood Co, Kingston
MACE—51 cs, Macassar
MAGNESIUM CARBONATE—1,200 bgs, Reheis Co, Liverpool
SILICOFLUORIDE—40 bbls, Henry Sundheimer, Rotterdam
MANGANESE ORE—400 bgs, Union Carbide & Carbon Corp, London
MARJORAM LEAVES—200 bgs, W R Grace & Co, Arica
300 bgs, Callao
MOLASSES—5,000 tons, Chas Pfizer & Co, Vlaardingen
MULLEIN LEAVES—58 bls, Prentiss Drug & Chemical Co, Algiers
MYROBALANS—2,593 bgs, Hammond & Carpenter, Visakhapatnam
1,392 bgs, Olson Sales Agency, Visakhapatnam
NAPHTHALENE—1,000 bgs, American Union Transport, Antwerp
2,458 bgs, Callard Schlesinger, Antwerp
1,000 bgs, Fallek Products Inc, Antwerp
5,168 bgs, American Cyanamid Co, Rotterdam
1,000 bgs, Chase National Bank, Rotterdam
1,111 bgs, Calco Chemical Division, Rotterdam
1,088 bgs, Interocean Chemical Corp, Liverpool
NAPHTHOL—23 dms, C A Haynes, Rotterdam
NICKEL CHLORIDE—6 cks, Bank of Athens, Rotterdam
SULPHATE—9 cks, Aceto Chemical Co, Rotterdam
14 cks, Bank of Athens, Copenhagen
30 cks, Industrial Sales Corp, Antwerp
NIGER GUM—49 bgs, Balfour Guthrie, Lagos
SEED—200 bgs, Bombay
NUTMEGS—779 bgs, Dodge & Olcott, Padang
63 bgs, Bankers Trust Co, Macassar
OLIVE OIL—25 dms, Bank of Manhatton Co, Seville
125 dms, Manufacturers Trust Co, Seville
185 dms, National City Bank, Seville
75 dms, Hanover Bank, Seville
OPIUM—150 chts, Calcutta
OURICURY WAX—167 bgs, Dura Commodities, Rio de Janeiro
250 bgs, Marklin Chemical Corp, Rio de Janeiro
PALM OIL—514 tons, Procter & Gamble, Matadi
296 tons, Balfour Guthrie, Matadi
PAPAIN—33 hf chts, Chas L Huisking & Co, Colombo
11 dms, Volkart Bros, Colombo
PAPRIKA—200 bgs, Schoenfeld & Son, Rotterdam
230 bgs, P H Petry, Hamburg
500 bgs, M J Colombeck, Marseille
400 bgs, National City Bank, Rotterdam
PEARL ESSENCE—2 cs, Northam Warren Corp, Rotterdam
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700 bls, E J Lang, Bremen
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160 bgs, Otto Gerdau, Cochin
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80 bgs, M Golodetz, Alleppey
80 bgs, Joensson & Cross, Alleppey
80 bgs, National City Bank, Cochin
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PEPPERMINT OIL—1 cs, Dorf Intern Ltd, London
PETITGRAIN OIL—3 dms, A Chiris, Port Au Prince
PETROLEUM CRUDE—124,573 bbls, Esso Standard Oil Co, Cartagena
199,203 bbls, Phillips Oil Co, Puerto La Cruz
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87,862 bbls, Shell Oil Co, Curacao
120,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
PIMENTO BERRIES—160 bgs, Kelly's America Ltd, Kingston
POLLACKLIVER OIL—100 dms, J D Smith, Yokohama
POLYVINYL CHLORIDE—26 cs, Penson & Co, London
3 bgs, North American Solvay Inc, Antwerp
POPPY SEED—500 bgs, Louis Furth, Rotterdam
100 bgs, R Friedler, Rotterdam
809 bgs, Istanbul
POTASSIUM MURIATE—1,500 tons, Synthetic Nitrogen Products Corp, Bremen
PRUSSIATE—100 kgs, Hunt Chemical Works, Antwerp
SALTS—20 kgs, A Gusmer, London
POTATO STARCH—7,062 bgs, Stein, Hall & Co, Aarhus
600 bgs, Rotterdam
PSYLLIUM SEED—478 bgs, Parke Davis & Co, Bombay
178 bgs, S B Penick & Co, Bombay
260 bgs, T M Duche & Son, Bombay
121 bgs, Meer Corp, Bombay
345 bgs, River Plate Corp, Bombay
180 bgs, Prentiss Drug & Chemical Co, Bombay
QUEBRACHO EXTRACT—1,700 bgs, International Products Corp, Buenos Aires
4,671 bgs, Tanimex Corp, Buenos Aires
8,798 bgs, First National Boston, Buenos Aires
25,774 bgs, River Plate Corp, Buenos Aires
QUICKSILVER—102 flks, G Jimenez Corp, Vera Cruz
110 flks, N Y Trust Co, Tampico
200 flks, Madras
QUINCESEED—221 bgs, Meer Corp, Rotterdam
60 bgs, D Aboudi, Rotterdam
RESIN, SYNTHETIC—28 bls, F L Kraemer, London
162 bgs, F L Kraemer, London
SABADILLA SEED—200 bgs, Wessel Duval & Co, La Guaria
SAGO FLOUR—386 bgs, National Starch Products, Singapore
526 bgs, Stein Hall & Co, Singapore
SALICYLAZOSULPHAPYRIDIN—8 kgs, Pharmacia Lab, Gothenburg
SASSAFRAS OIL—30 dms, P H Petry, Yokohama
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SEEDLAC—250 bgs, Mantrose Corp, Calcutta
100 bgs, Ralli Bros, Calcutta
200 bgs, Dings & Schuster, Calcutta
100 bgs, Schwab Bros, Calcutta
250 bgs, Gillespie-Rogers-Pyatt, Bangkok
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SENNA LEAVES—100 bls, Sterling Drug, Tuticorin
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25 bls, Max Van Pels, Tuticorin
SERPENTARIA ROOT—5 bgs, S B Penick & Co, Bombay
SHARKLIVER OIL—40 dms, Vitamins Inc, Yokohama
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50 dms, Maxim Chemical Co, Yokohama
160 dms, Consumers Import Co, Yokohama
5 dms, H A Gogarty, Yokohama
25 dms, Transocean Commerce Inc, Yokohama
100 dms, Wilbur Ellis Co, Yokohama
SHELLAC—100 bgs, Mac-Lac Co, Bangkok
250 bgs, United Shellac Corp, Calcutta
100 bgs, Ralli Bros, Calcutta
200 bgs, Mantrose Corp, Calcutta
50 bgs, Calcutta
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PRUSSIATE—1,200 bgs, Rohner Gehrig, Rotterdam
SPRUCE EXTRACT—400 bgs, River Plate Corp, Oslo
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TALC—2,600 bgs, Charles Mathieu, Genoa
TANKAGE—840 bgs, Tupman Thurlow, Montevideo
TANNIN—33 dms, Geigy Co, Rotterdam
TEAFLUFF—1,260 bgs, Citro Chemical Co, Colombo
THEOBROMINE—20 cs, Light Work Products Co, Rotterdam
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TOLU BALSAM—15 cs, R D Heins, London
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32 cs, Paul A Dunkel, Khorramshahr
63 bgs, Jacques Wolf, Khorramshahr
38 bgs, S B Penick & Co, Khorramshahr
31 cs, General Foreign Sales Corp, Rotterdam
16 cs, Crossworld Export Co, Rotterdam
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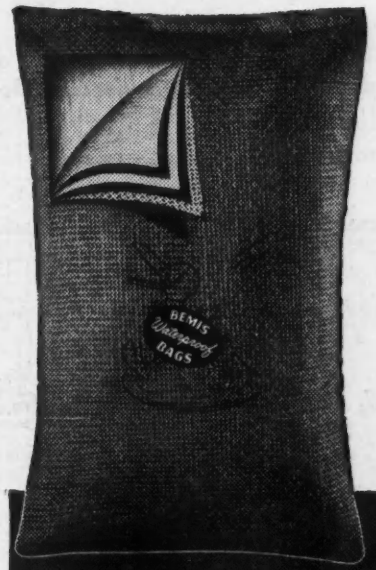

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OLIVE OIL—25 dms, Rockland Atlas National Bank, Seville
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PEATMOSS—500 bls, Premier Peatmoss Corp, Bremen
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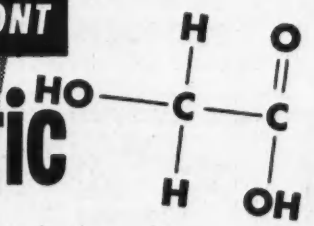

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ASBESTOS FIBER—4,320 bgs, Keasby & Mattison, Lourenco Marques
1,844 bgs, Phila National Bank, Durban
400 bgs, Chas Kurz, Capetown
CASTOR OIL—103 tons, Calcutta
CLAY, BALL—621 tons, Avonmouth
CODLIVER OIL—333 dms, Corn Exchange Bank, Lisbon
CRESYLIC ACID—300 dms, Concord Chemical Co, Rotterdam
GYPSUM—5,192 tons, U S Gypsum Co, Hantsport
260 bgs, Beway Mfg Co, Manchester
MANGANESE ORE—1,000 tons, Lavino Shipping Co, Takoradi
417 tons, Lavino Shipping Co, Cavalla
MOLASSES—1,912,979 gals, Antilla
1,817,010 gals, Bufadero
NAPHTHALENE—610 bgs, James E Fox, Manchester
1,826 bgs, James E Fox, Liverpool
OLIVE OIL—175 dms, Seville
PEATMOSS—250 bls, Halfmoon Corp, Rotterdam
800 bls, Keer Mauer, Bremen
800 bls, E Dunwoody, Bremen
PETROLEUM, CRUDE—228,058 bbls, Socony Vacuum Oil Co, Mena Al Ahmadi
127,923 bbls, Texas Co, Puerto La Cruz
112,245 bbls, Atlantic Refining Co, Pamatacual
215,000 bbls Atlantic Refining Co, Puerto La Cruz
108,212 bbls, California Oil Co, Siden
644,321 bbls, Gulf Oil Corp, Mena Al Ahmadi
103,763 bbls, Gulf Oil Corp, Las Piedras
179,752 bbls, Gulf Oil Corp, Puerto La Cruz
POTATO STARCH—3,400 bgs, Stein Hall & Co, Aarhus
SODIUM BICARBONATE—500 bgs, Chemical Mfg Co, Liverpool
NITRATE—200 tons, Guaranty Trust Co, Tocopilla
UREA—2,500 bgs, Chemical Manufacturing Co, Glasgow
1,000 bgs, Genoa
VANILLA BEANS—15 cs, Philadelphia National Bank, Papeete
WATTLE BARK—1,105 bls, Bank of N Y, Durban
EXTRACT—518 bgs, Olson Sales Agency, Durban
ZIRCON SAND—2,000 bgs, F Samuels, Brisbane
ZIRCONIUM ORE—4,040 bgs, F Samuels, Santos

San Francisco

AMMONIUM BICARBONATE—357 dms, C M C Chemicals, London
BONEMEAL—85 tons, Genoa
CARDAMOM—20 cs, H M Newhall, Bombay
CASTOR BEANS—391 bgs, Pacific Vegetable Oil Corp, Cristobal
COPRA CAKE—400 bgs, Atkins Kroll & Co, Cristobal
COTTON LINTERS—100 bls, Laestreto Phillips, La Union
COTTONSEEDMEAL—1,000 bgs, Lastreto Phillips, La Union
FISHLIVER OIL—5 dms, J D Smith, Yokohama
GYPSUM—8,975 tons, Kaiser Gypsum Co, San Marcos
IRON OXIDE—20 tons, J Lee Smith, Malaga
5 tons, C B Chrystal, Malaga
LOCUSTBEAN FLOUR—50 bgs, Genoa
OLIVE OIL—86 dms, Malaga
PAPRIKA—400 bgs, S L Jones, Alicante
400 bgs, A Schilling, Alicante
50 bgs, R C Pauli & Son, Alicante
50 bgs, S H Tayler & Sons, Alicante
450 bgs, B C Ireland, Alicante
50 bgs, D Hecht & Co, Alicante
775 bgs, Alicante
PETROLEUM, CRUDE—107,625 bbls, Standard Oil Co, Sungai Pakning
10,232 tons, Standard Oil Co, Rastanura
PIMENTO BERRIES—200 bgs, B C Ireland, Kingston
SAFFRON FLOWERS—2 cs, Monteverdi & Parodi, Genoa
SESAME SEED—50 bgs, H M Newhall, Corinto
118 bgs, B C Ireland, Corinto
100 bgs, W R Grace & Co, Corinto

WHO Nominates Candau To Be Director-General

Dr. M. G. Candau, assistant director of the Pan American Sanitary Bureau, regional office for the Americas of the World Health Organization, has been nominated as director-general of the World Health Organization by the WHO executive board.

The nomination is subject to confirmation by the sixth World Health assembly which will convene in Geneva on May 5. Dr. Candau is to replace the present director-general, Dr. Brock Chisholm, whose five-year term expires on July 21.

Dr. Candau has been serving as Assistant Director of the Bureau since last March. Prior to that he was assistant director-general of WHO in charge of the department of advisory services.

Dressings, Gauze, Sutures Requirements Review Fri.

An open conference will be held at the Pharmacopeia Building, New York, on Friday at 10 a.m., to review the present official requirements on surgical dressings, adhesive gauze and surgical sutures. Attention will be directed especially to the sterility tests, but the physical tests for size, strength and, in the case of adhesive bandages, adhesiveness, will come under consideration.

Members of the Joint (USP-NF) Panel on Sterility Requirements will attend the conference, which will afford them an opportunity to hear first-hand comments on the present tests and will place them in a better position to advise the USP committee of revision on needed changes, it was pointed out. The meeting hopes also to take up the possibility of achieving uniformity of tests and standards for surgical sutures on an international scale through cooperation with the expert committee of the International Pharmacopeia of the World Health Organization. All interested persons have been invited to take part and have been asked to notify the USP office at 46 Park avenue if they plan to attend.

Trade Briefs

Rayonier, Inc., has elected James T. Sheehy to the board of directors.

G&W Laboratories, Inc., has begun the renovation of a recently acquired building in Jersey City, N. J., to house executive offices and its entire production facilities.

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Botanical Drugs, Spices, Gums

Sufficient downward pressure on prices for condimental botanicals, and on gingers and psyllium seed in the drug group, turned the market index downward by 0.04 point and 106.96 was reached late in the week, subject to revision. Advances and declines were almost even in number, there being sixteen rises and seventeen falls in local quotations. Demand usually simmered and never came to a full boil during the period.

Cassias were pointed toward further strength when Food and Drug Administration inspectors found arriving Saigon adulterated with Chinese qualities. This led to rejections. Ultimately, Batavias may have to fill all US requirements and it was doubted that production could do so completely. Spot goods were all higher. Fennel seeds showed real strength at rather sharp advances.

Gingers were entirely unsettled regardless of present very low prices which, in the instances of African, No. 3 Jamaica, and split Nigerian roots were reduced still further. Bleached bold and medium cardamom were down but the extra bold remained unchanged. Limited downward movements came in Indian celery, Danish and German yellow mustard, and Turkish poppy seeds, and in Zanzibar clove, Ceylon cinnamon, West Indian nutmegs, Dalmatian sage and Spanish thyme.

Botanical drugs were mainly very steady in price. Demand remained rather spotty and buyers appeared to come to the market only when to stay away had become impossible by reason of special needs. Stocks of most items were conservative in size, yet demand in its current volume appeared to be taken care of very well.

Price Trends

Advanced

Drugs

None

Other Articles

Anise seed, Spanish, ¼c. per lb.
Cassia, China, Canton, 5c. per lb.
broken, 2c. per lb.
Saigon, broken, 2c. per lb.
medium, 8c. per lb.
thin, 8c per lb.
Cumin seed, Iranian, ¼c. per lb.
Fennel seed, French, 4c. per lb.
Syrian, 3c. per lb.
Pepper, red, Turkish, 1c. per lb.
Sage, Greek, ½c. per lb.

Reduced

Drugs

Ginger root, African, 1c. per lb.
Jamaica, No. 3, ¼c. per lb.
Nigerian, ½c. per lb.
Psyllium seed, Indian, 2c. per lb.
husks, 5c. per lb.

Other Articles

Cardamom, bleached, bold, 10c. per lb.
medium, 5c. per lb.
Celery seed, Indian, ½c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
Clove, Zanzibar, 1c. per lb.
Laurel leaves, Greek, ½c. per lb.
Mace, Siauw No. 1, 1c. per lb.
West Indian, 1c. per lb.
Mustard seed, Danish, ¾c. per lb.
German, ½c. per lb.
Nutmegs, West Indian, ½c. per lb.
Pepper, black*, Malabar, spot, 1c. per lb.
red, Japanese hontakas, 1c. per lb.
Poppy seed, Turkish, ¼c. per lb.
Sage, Dalmatian, 2c. per lb.
Thyme, Spanish, 1c. per lb.
Turmeric root, Alleppey, 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 1, 1952
106.96	107.00†	103.30	117.81

*Obtained too late for index calculation.
†Revised.

(*For Current Prices see page 9*)

Balsams

Copaiba—Cleaned balsam held at 90c. per pound, minimum. Reports of goods available around 80c. were accounted for by the more than likely possibility that such a price might be done on crude material.

Fir—Canadian balsam remained steady at $31 per gallon and was not in over abundant supply. Oregon balsam was reported to be unobtainable and the $2.85 per gallon price was purely nominal. It was apt to remain thereat until the 1953 production permits reentry of the balsam into the market.

Peru — Undertones were steady and prices appeared to be fairly firm on the basis of $1.35 per pound, inside. The range to $2 was still noted.

Tolu—Though still the subject of considerable local competition, the article last week remained lowest at $3 as an open market quotation.

Beans

Vanilla — New developments of basic importance failed to materialize last week. The general situation was considered to be one of substantial firmness, based principally on the prices prevailing in replacement markets, the unwillingness abroad generally to accept bids, and the present prospects for smaller production in the next crop operations. Demand was moderate last week but fully ample to assure a well maintained price schedule on the spot where stocks were not unduly large.

Berries

Juniper — Resurgence of demand for spot goods has developed a firmer position locally and caused some suppliers to seek higher prices. Good quality berries --those guaranteed to pass Federal requirements, are still difficult to get abroad.

Gums

Arabic — The replacement market fell away a very small fraction when demand for further export parcels decreased considerably. Recently, 11¼c. per pound was quoted at the origin but last week cables carried news of a 10.90c. price. The market is now subject to possible fluctuation since the cloying effect of an official price floor has been removed and supply plus demand once more is able to work its will in the primary market. Local transactions between dealers were said to average between 12c. and 12½c. per pound but first line houses in transactions with consumers usually called 13½c. per pound the market on sorts.

Karaya—Cables suggested that primary markets had firmed moderately without finding immediate reflection on spot where limited demand kept competition an active factor in most transactions. When the textile industry comes out of the doldrums, where it has been for a long time, there is a fair chance that local sales of this gum may be effected at levels above those prevailing today.

Herbs and Leaves

Laurel—Greek material was shaded to 9c. to 9½c. per pound but other varieties of sage remained unchanged in price. Demand was mainly for jobbing quantities during the past week.

Lobelia—Sellers reported prices being well maintained even though the current undertakings of buyers were not very substantial in size. The absence of a large, unsold supply has proven sufficient to keep quotations very steady regardless of consumer or other takers' operations.

Peppermint—The market is in very low supply and each transaction is apt to set its own price since most sellers call present open market quotations nominal and subject to confirmation. Little material remained on the open market at the origin.

Sage — Dalmatian material was down again, reaching 43c. to 44c. per pound last week and not the object of much buying support. Greek sage was a fraction higher at 11½c. to 12c., but some said it was merely an attempt to get more money for an article selling close to replacement cost. Other varieties held unchanged.

Sweet Basil—Most offerings of imported material were in future position, ranging 95c. per pound to $1.35, the latter prevailing on French leaves of excellent quality.

Thyme—Spanish leaves returned to the 9c. to 9½c. per pound basis that had made the market for some time past until a rise to 10c. developed. French leaves were very steady at 22c. for poorest quality to 25½c. for top grade goods.

Miscellaneous

Cantharides — Were demand anywhere near that formerly normal to the market, present supplies would probably be inadequate to requirements. However, a sub-

Imports Detained by FDA

Week Ended Jan. 23

New York

Cassia, 14 lots, 772 bales: filthy.
Chillies, 4 lots, 333 bags: filthy.
Fennel seed, 62 bags: filthy.
Ginger root, 55 bags: filthy.
Molle seed, 40 bags: filthy.
Nutmegs, 231 bags: filthy.
Orange peel, dried, 43 bales: filthy.
Pepper, black, 19 lots, 1,410 bags: moldy and insect bored; filthy.
Sesame seed, 198 bags: filthy.
Toilet water, 15 cases: labeling.

For Late Market Developments, See Page 4

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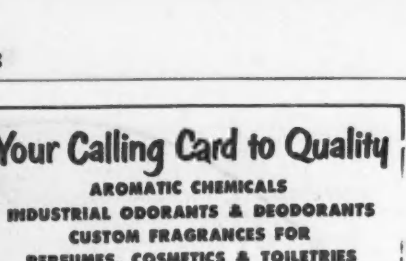
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stantial contraction in total consumption has come about and, therefore, the limited spot supply appears to care for the current takings of buyers. Since direct buying with primary markets is difficult if not impossible, quotations on spot show a strength out of line with the movement into consumption.

Papain—Steady absorption of supplies has been in a volume more than sufficient to curb price competition and give major support to the views of present suppliers. Strength in the primary markets also aids in the maintenance of local quotations on a very firm basis when goods are sold under guaranteed potency tests.

Roots

Arrow — Consumption has been very steady over a long period of time and reports last week noted the continued excellence of sales at prices still fully stable and not subject to fluctuation.

Colombo—Normal importation of this root has not existed for a considerable length of time and some on spot say it is difficult to get firm offerings from the source where collection has lagged materially and has been supplanted by other occupations for those formerly concerned with collection.

Senega—Local dealers had an eye on the primary market with respect to what price shippers will offer when new deliveries come to Winnepeg, Can., from the interior collection areas. At the moment, spots held at $2.15 per pound.

Turmeric—Alleppey root was shaded to 21c. to 22c. per pound under competition on spot last week. Madras and Haitian root remained unchanged in price.

Seeds

Anise—The sole change in anise prices came in Spanish seed, which was a fraction higher at 15c. to 17c. per pound as t seller. Widening of the range suggested a gain in market strength.

Cardamom—Bleached seed was lower. The bold quality of normal size was down to $3.65 per pound but the extra bold held at $4. The medium size item was reduced to $3.25 to $3.30. Guatemalan decorticated seed remained at $2.10 but nominal quotations on Alleppey and Mangalore-type were down to $2.10 in both cases; none was believed to be available. Green cardamom was unchanged.

Celery—Indian seed declined ½c., making the market 26½c. to 27c. per pound. French remained steady at 36c. to 36½c.

Cumin—Iranian seed was up ¼c. to the basis of 14¼c. to 14½c. per pound but export interest was negligible at any price.

Fennel—Spot French seed was raised to 34c. per pound and was very firm. Indian seed for March-April shipment was lower at 18c. to 19c. Syrian light fennel returned to a firm offer position and was priced at 32c. Some light Czech seed was again available on spot, this time at 30c.

Poppy — Turkish seed was shaded to 12¾c. to 13c. per pound, but Polish and Dutch seed remained unchanged.

Psyllium—Replenished spot supplies became available at price concessions. Indian seed was down to 17c. to 18c. per pound and psyllium husks ranged 50c. to 51c.

Spices

Cassia—Numerous lots of Saigon cassia have been detained on arrival because Food and Drug Administration inspectors found them adulterated with Chinese qualities of cassia. This has put pressure behind the Saigon already released and caused price advances to the following levels:—Medium, 55c. per pound; broken, 50c. to 53c. All thin Saigon would possibly fetch 58c. if available, which seemed unlikely. Some quarters suggested that all requirements would eventually have to be filled from stocks of Batavia cassia and doubt was expressed about the total Batavia output being sufficient to meet spot demand. Limited quantities of China cassia were reported. Canton-Kwangsi rolls were up to 40c. to 45c. and the extra select broken was raised to 35c. to 36c.

Cinnamon—Ceylon No. 2 was shaded to 25c. to 25½c. per pound, but the "0000" quality remained at 36c.

Clove—A limited amount of Zanzibar spice was reported available at the trifle lower price of $1.62 per pound; some who were bearish on the market even mentioned $1.61, but most quarters could not confirm that as a firm limit.

Ginger—Price unsettlement, if not actual weakness, continued on the spot, and quotations moved downward in some cases. African root was noted at 12c. per pound. No. 2 Jamaica, 14¾c.; and split Nigerian, 10c. Some tendency to move old crop holdings was noted.

Mace—No. 1 Siauw was down to 95c. to 96c. and West Indian became 84c. to 85c. Little demand was reported. West Indian output in 1951-52 was 752,576 pounds, of which 520,688 pounds, or 75 percent went to the U.K. To U.S., 9 percent.

Nutmegs — West Indians dropped to 26½c. to 27c. per pound. East Indians remained unchanged. A relatively late and small crop for 1952-'53 was forecast by the Grenada Co-operative Nutmeg Association. The 1951-52 crop totaled 5,212,756 pounds, of which 3,745,392 pounds were exported. Of the latter total, 62 percent went to the United States.

Pepper—Spot black pepper eased during the week and offerings at $1.17 to $1.18 were noted. January shipment, $1.13; February shipment, $1.11; March shipment, $1.10. Spot stocks were ample and no pinch is foreseen earlier than late February or early March. January shipment were estimated at 800 tons. This market traded lightly in India and any firmness there may have been caused by alleged buying by Russia.

Friday quotations on black Malabar pepper were as follows:—Spot, $1.15 per pound; January shipment, $1.11; February shipment, $1.10; March shipment, $1.08 to $1.09.

Chicago Drug Association Chooses Grimm President

The Chicago Drug and Chemical Association has announced the election of Norman A. Grimm as its new president for the coming year. Mr. Grimm is general manager of the midwestern region of Chas. Pfizer & Co.

Other officers elected were:—Vice-president, George H. Stanton, U. S. Industrial Chemicals Company; secretary, Glenn H. Reinier, Abbott Laboratories; treasurer, Thomas F. Glynn, the Alphaden Company, and directors for two years, George R. Beach, jr., E. I. duPont de Nemours & Co.; C. W. Allen, Givaudan-Delawanna, Inc.; Forrest M. Luckett, Monsanto Chemical Company; Kenneth W. Hartley, Dodge & Olcott, Inc., and Robert DeLamar, DeLamar-Hendrey Chemical Company.

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Essential Oils, Other Aromatics

Inquiry for essential oils and aromatic chemicals continued steady and led some manufacturers to maintain a decidedly optimistic view toward the balance of the year. Promotional items in the perfume and cosmetic industries were well under way and orders were being taken at a good rate. Some apprenhension was noted because of the extremely low prices of a number of the more important essential oils. This condition encouraged the general tendency of small lot buying as retail consumers looked for still lowered prices. A much more stable market was expected once this trend reversed itself.

Prices declined for two of the market's highest priced oils, which led to a comparatively heavy index dip. French Neroli moved toward a very weak position as large supplies of the oil remained unsold and even lower prices failed to arouse much interest. Cardamom was offered at a substantially lower quotation from one quarter, which other sources as yet failed to meet. Orange oil remained in the weak position it reached during a series of price drops over the past weeks but made no further declines. With the new crop oil from Florida reaching the market in large quantities, the price level was expected to remain without sizable changes in the immediate future. California oil maintained a somewhat stronger position, due to its current midseason status. The index fell off by 2.24 to stand at 161.48.

Dalmatian sage oil dropped as the recent trend toward lower prices continued. An end to the downward spiral was expected with the disappearance from the market of much of the lower priced material and the continuation of an active demand. Spot prices for ocotea cymbarum oil dropped by a small amount in spite of the price floor maintained in Brazil. Producers of anethol offered the NF material at lower prices. The reduction was of particular interest to users of the scarce anise oil, for which the aromatic material formed the most popular substitute. Other reductions were effected for dillweed, cinnamon leaf, Mexican lignaloe wood and Florida mandarin oils.

Higher quotations for garlic oil followed as a result of the extremely scarce position of the oil and the difficulty in obtaining replacement. Even purchases of small amounts of the oil could not be made easily. A reversal in the downward price trend in patchouli oil was noted and was due chiefly to the disappearance of low priced material from the market. Lemongrass oil continued to move upward by small degrees, current prices offering considerably more encouragement to growers. Advances were noted for pimento berry and rosemary oils.

Price Trends

Advanced

Oil, garlic, $1.75 per oz.
Lemongrass, 10c. per lb.
Patchouli, 50c. per lb.
Pimento berry, 15c. per lb.
Rosemary, Spanish, tech., 3c. per lb.

Reduced

Anethol, NF, 20c. per lb.
Oil, cardamom, $8 per lb.
Cinnamon leaf, 40c. per lb.
Dillweed, 50c. per lb.
Lignaloe wood, Mexican, 35c. per lb.
Mandarin, Florida, $2 per lb.
Neroli, French, $26 per lb.
Ocotea Cymbarum, 2c. per lb.
Sage, Dalmatian, 25c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 1, 1952
161.48	163.72*	165.98	179.98

*Revised.

(For Current Prices see page 9)

Essential Oils

Cardamom—The oil was offered from one source during the week at $35 per pound, a drop of $8 from the earlier low quotation. Other prices ranged upward to $55 per pound. The lower price brought no immediate lowering on other offers and it was felt that prices would move slowly, chiefly because of the current level of demand for the oil.

Cinnamon—Prices for leaf oil showed a decline of 40c. per pound as a previous minimum offer was lowered to $1.60. Bark oil held firm with offers ranging upward from $23 per pound. No extensive shift in price or supply was expected in the trade where only a moderate inquiry was reported.

Citronella—No price movement appeared in quotations during the past week as the oil held its somewhat firmer position without further advances. Supplies of Ceylon oil tightened a bit as an increased demand for better oil was felt on the market, while demand for all types of oil was stronger than in recent weeks. Supplies were more than adequate for most needs and inquiry was considerably off from the levels considered average at this time a year ago. The situation was considered critical by many observers in the trade, who feared for a drastic cut back in production and a shortage resulting from this. The problem would have to be settled during the coming months and for this reason the current year was felt to be a critical one for all concerned with the oil.

Production of oil in Formosa during 1952 amounted to 3,250,000 pounds, according to figures recently compiled. This quantity represented the greater part of an estimated 5,000,000 pound world production.

Coriander—A rather tight supply position failed to change the current quotations for the oil, which was offered during the past week from $20 per pound. Other offers ranged upward to $23. Quantities of the oil available on spot were reported in the trade as rather small and would not be increased by further shipments for approximately the next three months.

Dillweed—The relatively scarce supply position of the oil continued and at the same time lower prices were affected by some dealers. Previous quotations of $4.50 per pound were put down to $4, the drop in price described as an adjustment to competition. The situation was due to change in the near future as reports in the trade indicated that some quarters were withholding the oil pending further price movement.

Eucalyptus—Ample supplies of the oil and a soft price structure put the consumer in an advantageous position. Very little demand developed in spite of this position, due chiefly to the season, and no sizable pickup was expected until the end of the summer. Prices for 70-80% oil ranged upward from 75c. while 80-90% oil was offered from 85c. per pound.

Fir—A firmer tone has been noted on replacement costs from the source during the immediate past, and prices were reported to tend to follow this trend. Increased labor costs were mentioned in the trade as the chief factor in the price situation as Canadian producers were forced to keep pace with rising wages. Current quotations ranged upward from $2.65 per pound.

Garlic—The price of the oil moved upward in the face of almost unobtainable replacement. The week's minimum price of $9 per pound represented an upward shift of $1.75 per pound. Many quotations for the oil were nominal because of the current lack of supplies and the outlook of continued scarcity. Purchases during the past week were reported to have been in ounces and even these small lots were hard to obtain. The outlook was toward continued scarcity and high cost as trade sources were unable to say when production in Egypt would be resumed.

Lemon—Shipping prices of $5.75 to $6 per pound, according to maker, were easily maintained during the past week due to the tight supply position of the oil. Demand continued heavy, showing no sign of easing while at the same time supplies reached the market in quantities no greater than in previous weeks. Italian oil varied greatly in price and in quality.

Lemongrass — A 10c. increase in the minimum quotation gave an indication of the continued strengthening of this oil. Quotations ranged from $1.05 per pound. Dealers felt that a definite recovery had been made in the depressed prices threatening the market for this oil in recent months. Whether the break was firm enough and came in time to prevent a drastic cut in production was yet to be determined.

Lignaloe Wood—Prices lower than previous ones by 35c. per pound were effected recently for this Mexican oil. The latest quotations ranged upward from $2.80 per pound. The oil has met only moderate demand in recent weeks and was available in quantities sufficient for most market needs. No further changes in quotations were expected in the immediate future as supply and production factors were expected to remain without significant change.

Mandarin—Florida oil was offered at a quotation of $3 per pound from one quarter, this price showing a sharp drop from

For Late Market Developments, See Page 4

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the previous minimum of $5. Other offers ranging to $5.35 per pound were maintained. Italian oil remained without feature and was offered in the same price range it has occupied during recent weeks. $6.50 per pound represented the current low for the imported oil.

Neroli—Quotations for this French oil have softened to a considerable extent, consumers currently finding it available at prices greatly under those in effect earlier. A quotation of $210 per pound previously in effect as the market's lowest, has been lowered to $190. Even at prices lowered sharply, the oil found no great rush of buyers and was expected to remain in a position of easy availability for the immediate future.

Ocotea Cymbarum—A decline of 2c. per pound was effected during the week, demonstrating the difficulty experienced in maintaining the price floor on this oil. Quotations ranged upward from a low offer of 56c. per pound. The oil has remained relatively stabile in recent months and no overall weakening of the price structure was expected in the trade. Inquiry was reported as moderate and evenly maintained.

Orange—The new crop of Florida oil has been reaching the market in large quantities, which have kept prices at the depressed level reached during the past weeks. Firm offers to buy at 70c. per pound found takers. Very little strengthening in the price structure could be expected considering the existing condition of freely available supplies. The California oil held a slightly stronger position, chiefly because of its current midseason status. Price ranges of 80c. to $1 per pound were reported, depending upon brand.

Patchouli—Tightened prices at the origin were responsible for a 50c. increase in the minimum spot price, offers in the past week ranging upward from $7.45 per pound. The strength currently shown by the oil offered a contrast to the weakened prices in effect during all of the past year. The surplus stocks that have been the chief cause of the continued weakness of the oil, have been dwindling of late, according to reports in trade circles. The oil was said to be attracting some interest at its increased price level.

Pimento—Increased prices for berry oil were encountered during the past week. The earlier minimum quotation was advanced by 15c. per pound. Various factors were reported as causing the current upward movement, the chief one being the lowered yields encountered recently. In addition, the bulk of the cheaper oil formerly available has been taken. Leaf oil was unchanged in price during the past week, quotations holding at $2.35 per pound and up.

Rosemary—The latest shipping prices from Spain have put the oil in a slightly stronger position and sent prices moving upward. The technical grade material was offered during the week from 63c. per pound, 3c. higher than earlier quotations. Reports indicated that continued firmness could be expected and that prices were likely to hold.

Sage—Dalmatian oil was offered from $6.75 per pound, this price showing a drop of 25c. and a continuation of the trend that has recently brought the oil down sharply. In spite of the lowered prices prevailing, some trade sources believed that a reversal of the weakened situation was at hand. The oil found a ready market when supplies of a larger quantity and lower price arrived, they stated, but maintained that the current good inquiry would prevent further drops of any great extent.

Spearmint—A continued strong position dominated the market for the oil as available supplies remained sharply limited. An earlier quotation of $7.75 per pound was maintained while other quotations edged upward. The continued good demand for the oil was almost certain to keep it in a firm position and to reduce the amount of non-contract material even further. An active interest was shown in Japanese oil because of the tight supplies and firm prices of domestic material. A good market for this imported oil existed, it was felt in local trade circles. As yet, however, very little has been imported and no definite information on its future position was available.

Aromatic Chemicals

Anethol—The NF material was offered at $1 per pound, 20c. less than earlier minimum quotations. The lowered prices offered an advantage to those who have turned to anethol as a substitute for the nearly unobtainable anise oil. The aromatic chemical was reported in good supply, although manufacturers could not be sure that the current comfortable levels would be maintained. As a byproduct, output of anethol was guaged to factors other than market demand alone. The current position of easy availability was of uncertain duration because of these production factors and also because demand could increase as anise oil remained scarce.

Eucalyptol—Quotations ranging upward from $1.65 per pound for USP material were maintained during the past week. The current easy position of eucalyptus oil placed the aromatic material in a comfortable spot for consumers, who found ample amounts for their requirements. No immediate changes in prices were expected in the trade in the immediate future.

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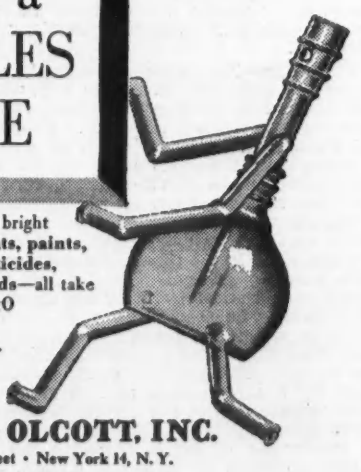

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Chicago Cosmetic Chemists Seat New Slate of Officers

The Chicago chapter of the Society of Cosmetic Chemists recently installed new officers for the coming year. They included:—Chairman, Douglas Atlas, of Marcelle Cosmetics; chairman-elect, William Colburn, of Colburn Laboratories; secretary, Robert Appenzeller, of G. Barr & Co., and treasurer, H. F. Davidson, of Jules Montenier, Inc.

The organization has announced that it will meet February 10 in Henrici's restaurant to hear W. A. McCarthy, of Tracerlab, Inc., discuss "Applications of Radioactive Tracers to Cosmetic Problems."

Fritzsche Officials Attend Canadian Facility Opening

F. H. Leonhardt, president of Fritzsche Brothers, Inc., New York, along with Fred H. Leonhardt, jr., and Joseph A. Huisking, vice-presidents, recently participated in the official opening of the new Fritzsche building in Toronto. The structure will provide administration, laboratory and plant facilities for the affiliate, Fritzsche Brothers of Canada, Ltd.

Lueders' Salesman Eighty

James McKnight, a salesman for George Lueders & Co., New York, celebrated his eightieth birthday January 26. Mr. McKnight has been with the company forty-seven years. He covers the near western part of the country and also looks after certain trade in the metropolitan New York area.

Givaudan Promotes Fiore

A. T. Fiore has been named coordinator of the new product development and service laboratories of Givaudan-Delawanna, Inc., and its affiliate, Sindar Corporation, both New York. Mr. Fiore joined Givaudan twenty years ago as chemist in charge of the analytical department, and since 1934 has been a research associate of the Givaudan Corporation, which post he held until his recent appointment.

Magnus Honors Fischer, Veteran Sales Manager

W. F. Fischer, sales manager of Magnus, Mabee & Reynard, Inc., New York, was feted recently at a dinner in commemoration of his forty-fifth year with the company. Honored at the same time were eighteen members of the company's Twenty Year Club. The dinner was held in connection with the firm's twenty-second annual sales conference at which A. H. Downey, head of Magnus' technical research department, presided, assisted by E. K. Edie. P. C. Magnus, president, gave the keynote and closing talks.

Vitamin Corp. Posts to Two

Vitamin Corporation of America, New York, has named Philip Edell vice-president and general manager. Alfred M. Hanssen, formerly secretary of the National Vitamin Foundation, has been appointed to the newly-created post of director of development. Mr. Edell has been with VCA since 1941.

Dow Appoints Briggs

Ernest Briggs, jr., formerly head of aromatic sales for the Dow Chemical Company, Midland, Mich., has been appointed to a position in a new section of organic chemicals sales organized to merchandise and promote a packaged permanent type antifreeze under customers' private-brand labels.

Ungerer Mailing Price List

Ungerer & Co., New York, has announced that it has started mailing its 1953 wholesale price list to the trade.

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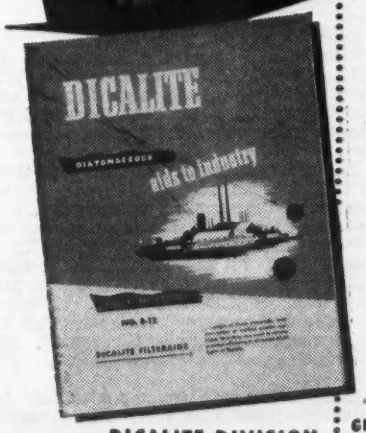

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Protective Coatings Materials

Red vermilion quicksilver was reduced last week as a consequence of another mercury reduction. The downward trend of zinc metal brought zinc dust schedules down a fraction. Argentine casein advanced ¾c. although importers reported a quiet market, insofar as volume of business was concerned.

The weakness of slab zinc schedules has not shown any influence on pigment prices. A source said that the fact that zinc pigments were not being imported in sufficient quantities and at low prices was the important difference between the domestic markets of pigments and zinc metal.

There have been no price changes reported in dry colors. Demand was said to be good. Supplies were adequate. The market for lead pigments was steady last week.

Most of the synthetic resins continued to enjoy a good demand. The market for coumarone-indenes has been going along at a high level. Demand from floor tiles has been excellent. One source reported that these resins were in tight supply. Demand for polyvinyl acetates, butyrals, and formals has been good. Activity in the electrical business, sustained at a high levels, has kept up the movement of formals. Silicone resins showed some expansion last year and were expected to continue upward. The price tendency of these resins has been downward so that they can promote greater use and widen their markets. Alkyds, maleics, and phenolics have all continued to move along at an excellent pace.

The 1951 production figures indicate that production of China clay was at an all-time high in that year. The market for shellac continued to be steady. Prices of orange and bleached grades were unchanged, even though there has been some fractional fluctuation in the Calcutta market. A source reported some improvement in the market for natural gums. The casein market was very quiet. Demand from the mills has not shown a definite upward trend. Regular importers of casein said that they were unable to do business at the low price levels which have been quoted since the material was taken off quota restrictions.

Prime Pigments

Dry Colors—Producers reported that there has been no significant change in the market for colors. Demand has been good. The material was moving right along. Prices were steady at their previously established levels. Supplies were adequate for the immediate needs of consumers.

Green, Chrome, C.P.—November production of chrome green was 682 short tons, compared with 696 tons (revised) produced in October, and 601 tons put out during November of 1951, according to the Bureau of Census.

Lead Pigments—There were no changes reported in this market last week. Price schedules have remained at their previously established levels. Producers said that these pigments have been moving at a fairly good rate. Supplies were adequate for the immediate needs of consumers.

Orange, Chrome, Molybdated, C.P.—Production of this material amounted to 478 short tons in November, as against 391 tons produced in October, and 273 tons put out in November, 1951, information from the Bureau of Census relates. The figure for October output has been revised.

Orange, and Yellow, Chromes, C.P.—Total output of these chrome colors in November was 2,046 short tons, according to information from the Bureau of Census. In comparison, October production was 2,348 tons, and November, 1951, output was 2,105 tons. The October figure has been revised.

Red Vermilion Quicksilver—The price of this special pigment was reduced 4c. per pound last week as a result of the decline in mercury prices. Current quotations were at $3.84 per pound.

Yellow, Zinc, C.P.—November production of zinc chromate was 515 short tons, the Bureau of Census reports. Output during October was 870 tons and production in November 1951 was 854 tons.

Zinc Dust—The price of this pigment was reduced ½c. per pound last week, reflecting the trends of slab zinc. Current quotations on a carlot basis were at 15½c. per pound.

Zinc Oxide—"Recent reductions in the price of the metal have not been reflected in prices of the pigments because the situtions in the metal and pigment market are currently different," a source said. At present there is no serious competition from imported material for the oxide. However, the market for slab zinc has been seriously affected by activity in the London market.

The low prices of metal in London have forced domestic zinc prices down to the lowest point since May 1950. There is enough tonnage available in the London market to be a serious threat of competition to domestic producers. Hence, the decline in the metal market in this country has corresponded to reductions brought on by the free-trading in London since the beginning of the year. Unless there was a large scale importation of pigments into this country, domestic producers felt that the pigment prices would hold the line, especially in view of the fact that the metal prices are so low as to be uneconomic.

Price Trends

Advanced

Casein, Argentine, ¾c. per lb.

Reduced

Red, vermilion, quicksilver, 4c. per lb.
Zinc dust, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 1, 1952
88.43	88.44	88.44	101.19

(For Current Prices see page 9)

Synthetic Resins

Coumarone-indenes — The market for these synthetics has enjoyed a steady, high level of demand. Activity from the floor tile industry and from the shoe industry has been good. One producer said that supplies of coumarone-indenes were still tight. Prices have been steady at their old levels.

Polyvinyls—Demand for these synthetics has been quite good. A source said that the acetates and butyrals have been moving along nicely. Demand has held up well for these two type resins. The high degree of activity in the electrical business has been reflected in a good demand for the formals.

There have been no price changes reported in this market. Supplies of all of the polyvinyls were adequate for the immediate needs of consumers.

Silicones—These synthetics have been moving along very well. Production and use of silicone resins saw some expansion during the past year, and production was scheduled to increase some more this year. It was added that the increase in protective coatings resins has not been as great as some other uses, such as in electrical applications. However, new products and increased use of those already established, were expected to continue expanding the market. It was said that silicone-alkyd coploymers were an example of a new product which has the potential of developing a market in upgrading alkyd spar varnish, or in its use alone. The supply of all these silicone resins was good.

The recent price trend of these resins was said to be downward, but thus far they have not come down to a point which would make them competitive with other synthetics, it was said. The most recent decrease was in the schedules for a high-temperature-resistant protective coating material at the beginning of the year.

Fillers and Extenders

Clay, China—Domestic production of China clay or kaolin exceeded all previous records in 1951, according to the Bureau of Mines. Tonnage increased six percent over 1950, the previous banner year.

The use pattern in 1951 was the same as it has been for past several years; namely, paper, rubber, refractories, and pottery in the order of tonnage consumed.

Paper consumed 964,601 tons (52%), rubber used 231,331 tons (12%), refractories took 200,236 tons (11%), and pottery used 141,733 tons (8%). The remainder was consumed for such purposes as cement, high-grade tile, paint, fertilizers, insecticides, calcimine, and linoleum.

The following users registered increases:— paper filler, refractories, cement, paint, filtering and clarifying of oils, high-grade tile, and linoleum. Decreases were re-

For Late Market Developments, See Page 4

ported for pottery, paper coating, rubber, chemicals, insecticides, and plastic products.

Natural Resins

A source stated that the market for gums was picking up nicely. It was said that buyers were purchasing material with a little more confidence than they had earlier. The inventory period was out of the way, and consumers were able to buy for anticipated needs, it was said. Sales were currently running along all right. Prices of natural resins were at favorable levels. There were no changes in price schedules.

There were sufficient supplies to take care of current levels of consumer demand. Importers said that there were no particular problems with supplies, either here, or at the sources. One source said that supplies of Manilas, at the source, did not seem to be too great. It was added that importers were not having any trouble obtaining all the Manilas they needed, however.

Shellac—Importers said that this market has been going along steadily at a fairly good level of activity. There have been small fluctuations in prices in the Calcutta market. It was said that the market at the source was up one day and down the next day. The net result left orange and bleached grades unchanged here.

Miscellaneous Materials

Casein—Importers reported that the market for this material was very quiet. Hardly any buying interest from the mills was shown. It was said that consumers were currently filled with enough supplies to take care of current needs.

Sources reported that the price of Argentine was currently quoted between 17½c. and 18½c. per pound. Although there were still reports of some material being offered below 17c., it was said that regular suppliers could not afford to do business at that level. Another source added that buying interest could not even be stirred up at those lower prices. It was said that the majority of Argentine casein was being sold between the 17½c. and 18½c. level.

Gypsum—Domestic mine production of crude gypsum during the third quarter of 1952 was 2,163,875 short tons, which was 5 percent less than output in the same period of 1951, according to a report from the Bureau of Mines. Third quarter imports were 7 percent lower than they were in 1951. Production of calcined gypsum declined 7 percent from the 1951 level, in the same period.

The quantity of agricultural gypsum produced in the third quarter was 26 percent greater than the previous year. Tonnage of uncalcined fillers and miscellaneous products increased 80 percent.

Nine-month cumulative totals were lower in 1952 than in 1951 for crude gypsum, and for every gypsum product except fillers and uncalcined unclassified products, and sanded plasters.

Naval Stores

Dipentene — December production was 3,170, 50-gallon barrels, compared with November output of 3,360 barrels, and December, 1951 production of 3,030 barrels, according to the Bureau of Agricultural Economics.

Between April 1 and December 31, 27,370 barrels were produced, as against 28,950 barrels in the similar period of 1951.

Pine Oil—December production was 13,240 50-gallon barrels, according to the Bureau of Agricultural Economics. In comparison, November output was 12,260 barrels, and December 1951 output was 13,090 barrels.

The nine months total between April 1 and December 31 was 108,190 barrels, as

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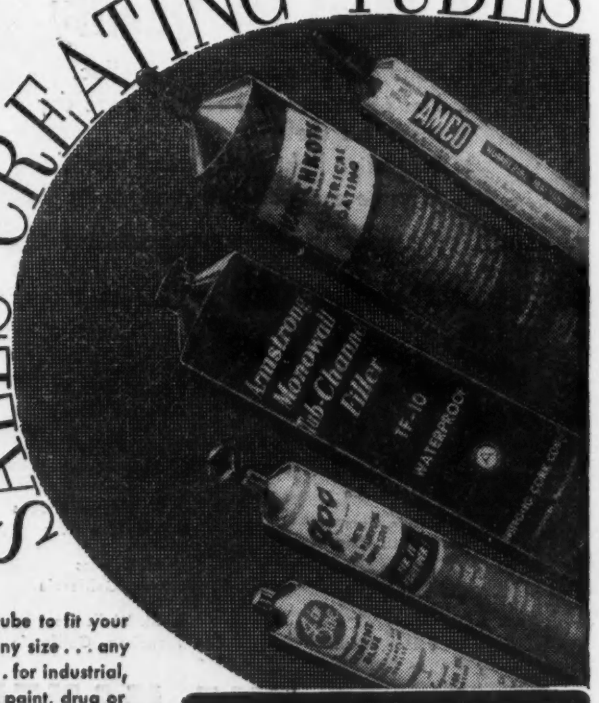

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against 130,310 barrels put out in the same period of the previous year.

Pine Tar—According to the Bureau of Agricultural Economics, December production was 9,020 50-gallon barrels, compared with 7,950 barrels in November, and 8,730 barrels in December of the previous year.

Production between April 1 and December 31 amounted to 69,500 barrels, compared with 95,690 barrels produced during the corresponding period of 1951.

Rosin—Total output of gum and wood rosin was 145,840 520-lb. drums in December, as against 150,030 drums in November, and 149,170 drums in December 1951, the Bureau of Agricultural Economics reported.

Output between April 1 and December 31 was 1,380,830 drums last year, compared with 1,629,300 drums produced during the same period of 1951.

Turpentine—Production of gum and wood turpentine in December totaled 40,270 50-gallon barrels, compared with 44,560 barrels in November, and 48,970 barrels in December 1951, according to figures received from the Bureau of Agricultural Economics.

The cumulative total for the period of April 1 to December 31 became 459,380 barrels last year, compared with 546,030 barrels produced in the corresponding period of 1951.

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
F	...	7.55*	...	...	7.34*
I	...	...	...	...	...
M	7.60*	7.73*	7.43*	...	7.53*
N	7.53‡	7.73*	...	...	...
WG	7.95*	7.78*	...	7.70*	...
WW, X	7.92*‡	7.85‡	...	7.92*	7.83*‡

Sales, USDA: 409* 521* 474* 300* 544*

New York (per 100 lbs., c.l., Friday)
B—N $8.80, WG $8.90, WW $9.00.

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.535†	.535†	.535†	...	...
Sales	...	8,000§	...	...	...

New York, Friday, per gal. 7 lbs., tankcars, 63c., l.c.l. 73c.

*Drums. †Tankcars. ‡Bags. ¶Carlots. §Gallons.

Wachtel Labs Offering New Anti-Rust Paint

Wachtel Laboratories, Inc., San Jose, Calif., is offering a new anti-rust paint which, it is claimed, can be applied to wet surfaces under adverse weather conditions. The new paint, which is being sold under the Wachtel trademark "Kerostal," was created to eliminate ferric corrosion. According to the manufacturer, it can be applied by brush or spray to wet or slightly rusty surfaces under weather conditions such as early morning dew, atmospheric rust, fog, light rain or light frost.

The compound, which is being used in Europe, is one of a number of new formulas dealing with corrosion and recovery that have been developed by Dr. Robert Wachtel, Swiss chemist. Heading up Wachtel Laboratories is Charles Rihm, as president, and William B. Anater, vice-president.

Rinshed-Mason West Coast Vice-Presidency to Hawkins

Edward S. Hawkins has been appointed vice-president and general manager of the west coast division of the Rinshed-Mason Company, Detroit, Mich.

The west coast division, in Anaheim, Calif., has been under the general managership of Mr. Hawkins since 1950, when the division was established. Ralph Matters, who assisted in the establishment of the Anaheim plant, has been appointed sales manager of this division. He has been with Rinshed-Mason since 1929.

Bids Wanted

Alcohol, 1,569 gals., New York Chemical Procurement District, 180 Varick St., N. Y., N. Y., inv. 91, Feb. 13.

Alum, 23 tons activated alum, sulphate of alumina, granulated form, Purchasing Officer, Navy Yard, Phila., Pa., inv. 693/4220, Feb. 13.

Barium Cyanide, 1,200 lbs., Commanding Officer, Mobile AMA, Bldg., S-190, Brookley Air Force Base, Ala., inv. 220, Feb. 16.

Bromochloromethane, 2,600,000 lbs., Purchasing & Contracting Officer, Topeka AFB, Topeka, Kans., inv. 275, Feb. 10.

Caustic Soda, 13 tons caustic soda for Beltsville, Md., Dept. of Agriculture, Bureau Animal Industry, Administrative Services Div., Washington 25, D. C., inv. BAI-150, Feb. 3. 56,000 gals. caustic soda (sodium hydroxide), Chemical Corps Procurement Agency, Army Chemical Center, Md., inv. 264, Feb. 12.

Chemical Misc., 1,824 gals. acetic acid, New York Chemical Procurement District, 180 Varick St., N. Y., N. Y., inv. 90, Feb. 11. 40,028 acid sulphuric, Contracting Officer, Raritan Arsenal, Metuchen, N. J., inv. 122, Feb. 6. 11,125 lbs. calcium hypochlorite, Commanding Officer, Mobile AMA, Bldg., S-190, Brookley Air Force Base, Ala., inv. 222, Feb. 18.

Copper Naphthenate, 8,800 gals., mildew resistant compound, Navy Purchasing Officer, 11 E. 16th St., N. Y. 3, N. Y., inv.1303, Feb. 13.

Drugs, misc., 16,320 bots., meperidine hydrochloride injection, 385,000 morphone tartrate injection, 320 1 gal. bots. nitromersol tincture, 3,600 bxs. thiopental sodium, 5,280 bxs. same, 480 bxs. same, 1,920 bots. methiodal sodium, 576 bots. methiodal sodium injection, 3,840 bxs. sodium iodomethamate injection, 21,456 bots. tripelennamine hydrochloride tablets, Armed Services Medical Procurement Agency, 64 Sands St., Bklyn., N. Y., inv. 578 N, Feb. 6 and 49,488 1 pt. bots. thimerosal tincture, 2,520 1 gal. bots. same, 600 bxs. neostigmine methylsulfate injection, 6,336 bots. phenylephrine hydrochloride injection, 8,640 bots. nicotinamide tablets, 4,032 bots. secobarbital sodium capsules, 1,920 bots. same, inv. 986, Feb. 6.

Oxygen, 60,000 cu.ft. oxygen, 250 cu. ft. Government cylinders, 26,000 cu.ft. acetylene, Commanding Officer, Procurement Branch, Pine Bluff Arsenal, Arsenal, Ark., inv. 75, Feb. 9.

Paints, 420 gals. lacquer, enamel green grade, Contracting Officer, Pueblo Ordnance Depot, Pueblo, Colo., inv. 60, Feb. 19. 25,000 gals. asphalt, roofing, emulsiontype, Post Engineer, Anniston Ordnance Depot, Anniston, Ala., inv. 34, Feb. 13. 7,050 lbs. resurfacer, mastricrete, 1,275 lbs. primer, Contracting Officer, Rocky Mountain Arsenal, Denver, Colo., inv. 24, Feb. 16.

Lacquer, 150 brushing, spraying or dipping lacquer, white, 42 cans olive drab gloss lacquer, 20 cans wood substitute, plastic, natural, Corps of Engineers, Army, 226 W. Jackson Blvd., Chicago, Ill., inv. 291, Feb. 17. 3,300 gals. metal primer, 615 gals. enamel, 305 gals. paint, titanium lead-zinc and oil, 95 gals. paint, titanium-zinc and oil, 40 gals. paint, concrete and masonry, 45 gals. gloss enamel, Corps of Engineers, 830 W. Broadway, P.O. Box 59, Louisville 1, Ky., inv. CIVENG-89, Feb. 6. 4,337 lbs. white-lead basis sulphate, 4,337 lbs. white-lead basis carbonate, New York Chemical Procurement Agency, 180 Varick St., N. Y. 14, N. Y., inv. 93, Feb. 6.

Paint, 17,346 gals. paint, 12,600 qts. paint primer, General Stores Supply Office, 700 Robbins Ave., Phila., Pa., inv. B-54, 471-B, Feb. 13. 28,600 gals. varnish, asphalt, jet black in 5 gal. steel pails, Aviation Supply Office, 700 Robbins Ave., Phila. 11, Pa., inv. B-54, 470, Feb. 10 and 7,200 qts. aircraft gloss enamel, 17,668 gals. gloss aircraft enamel, inv. B-54, 473, Feb. 16 and 1,632 pails heat resisting aluminum type paint, 4,988 gals. stencil paint, flat, ready mixed, 2,750 gals. camouflage oil type paint, 12,600 qts. synthetic paint primer, inv. B-54471, Feb. 13.

Salt, 850,000 lbs. regenerating salt, Supply Officer, Philadelphia Navy Yard, Phila., Pa., inv. 151/95032, Feb. 6.

Silica Gel, 5,900 5 lb. bags silica gel, 20,000 1 lb. bags same, 55,000 8 oz. bags same, 18,000 4 oz. bags same, 70,000 1 oz. bags same, Federal Supply Service, Denver Federal Center, Denver, Colo., inv. 4426, Feb. 9.

Sulphur, 22,976 lbs. ground sulphur (for use in ammunition), Contracting Officer, Chemical Procurement District, 180 Varick St., N. Y. 14, N. Y., inv. 95, Feb. 12.

Trichloroethylene, 165,000 gals. trichloroethylene solvent cleaner, 26,400 gals. same, Navy Purchasing Office, 111 East 16th St., N. Y. 3, N. Y., inv. 1305, Feb. 19.

Plaskon Appoints Amburn

Dallas Amburn has been named assistant to H. A. Raymond, jr., sales manager for industrial resins in the Plaskon Division of the Libbey-Owens-Ford Glass Company, Toledo, Ohio.

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Catalin Buys New Jersey Properties From Heyden

The Catalin Corporation of America, New York, has announced the purchase of the land and buildings at Fords, N. J., which it previously had been operating under lease agreement from the Heyden Chemical Corporation, New York, dating from 1930 and renewable until 1972.

The property acquired comprises approximately 19 acres of land and two of the six buildings on the site. Acquisition of the Fords acreage and buildings give the corporation ownership of all three of its manufacturing sites, others being located at Calumet City, Ill., and at Thomasville (near High Point), N. C.

Obituaries

Henry D. Faxon

Henry D. Faxon, formerly regional vice-president and a director of McKesson & Robbins, Inc., New York, died January 22 in Santa Monica, Calif. He was eighty years old.

Mr. Faxon had been in retirement several years after having been with the McKesson organization and predecessor companies for fifty-seven years. Mr. Faxon joined the Faxon & Gallagher Drug Company, Kansas City, Kansas, which had been established by his father, in 1892. He served as president from 1923 to 1928, and in that year, when the company was merged with McKesson & Robbins, Mr. Faxon was named vice-president in charge of McKesson wholesale drug divisions in the central west territory and a director of the company. In 1930 he was elected secretary, continuing in that position until 1941, while at the same time acting as regional vice-president. He retired from executive work in 1948 and from the board of directors two years later.

Harry H. Hollesen

Harry H. Hollesen, vice-president of the Synthetic Nitrogen Products Corporation, New York, until he resigned because of ill health in November, died January 26 in New York. He was in his seventieth year.

Mr. Hollesen was previously a director of N. V. Potash M.Y., New York, importers of German and French potash. When that company was dissolved at the outbreak of World War II, Mr. Hollesen became president and treasurer of the Pioneer Potash Company. Mr. Hollesen had also at one time owned his own firm, Henery H. Hollesen & Co.

Nathan Banks, zoologist, entomologist and former curator of insects at Agassiz Museum, Harvard University, died January 24 in Holliston, Mass. He was eighty-four years old.

Rutherford G. Caley, manager of automotive transport for the British American Oil Company, died January 25 in Toronto. He was fifty-four years old.

Iltyd H. Geare, assistant general manager in south China for the Standard Vacuum Oil Company from 1931 until his retirement in 1941, died January 24 in Bryn Mawr, Pa. He was sixty-seven years old.

Thomas S. Green, a director of the Behr-Manning Corporation, Troy, N. Y., died January 25 in Albany, N. Y. He was sixty-six years old.

John R. McCusker, president of the Red Dot Oil Company, died January 25 in Denver, Colo. He was fifty-seven years old.

Dr. Mikhail B. Plungian, director of the research foundation of the Valley Forge Heart Institute, died in Fairview Village, Pa., January 29. He was sixty-five years old. He had previously been a director of the chemistry control department of the Dermatological Laboratories of Philadelphia.

William F. Roberts, manager of the Monsanto Chemical Company's plastics division sales office in Los Angeles, died January 23. He was fifty-two years old.

Gustav C. Szenkovits, president of the Szenkovits Corporation, New York, died January 25 in Montreal. He was fifty-years old. Mr. Szenkovits was the founder of Szenkovits, Ltd., Montreal and Toronto.

Sherman B. Townsend, founder of the W. B. McVicker Company, Brooklyn, N. Y., died January 24 in Montclair, N. J. He was eighty-eight years old.

Dr. Clarence J. West, editor and researcher at the Institute of Paper Chemistry, Appleton, Wis., died in that city January 29. He was sixty-six years old.

Dr. Alexander D. White, retired scientific director of Hoffman-LaRoche, Inc., Nuley, N. J., died January 27 in Morristown, N. J. He was eighty-one years old.

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Oils, Fats and Waxes

Quiet conditions prevailed in oils and fats last week as buyers continued to operate in a hand to mouth manner. Trading was light and restricted to nearby delivery.

Further weakness developed in tallow and greases. Prices dropped fractionally, reaching pre World War II levels. The lower prices improved buying interest and moderate business was reported at the decline. This weakness was reflected in other animal oils. Grease and tallow oils were off fractionally, while neatsfoot oil was firmer due to the scarcity of neatsfoot stock. Demand for oleo oil was more active and trading took place at an increase of ½ cent per pound, while oleo stearine continued easy and was lower. Lard was weaker and loose declined low-Lard was weaker and loose declined to lowest levels in twelve years. Shortening in bulk was reduced 1 cent per pound.

Trading in edible oils was slow. Soybean and corn oils were easier, while cottonseed and peanut oils were unchanged.

Firmer tone was noted in coconut oil and quotations were slightly higher. Copra declined $5 per ton.

Linseed oil was quiet but steady due to cheaper resale meal. Tung oil continued unsettled and asking prices could have been shaded. Oiticica oil was nominal and reduced fractionally in one quarter.

Recent sharp advance of carnauba wax resulted in the withdrawal of buying interest and the market reacted about 2 cents per pound lower. Stocks on the spot were light, but offerings were more liberal than the previous week.

Price Trends

Advanced

Oil, coconut, crude, ¼c. per lb.
Neatsfoot, 1c. per lb.
Oleo, ¼c. per lb.
Palm kernel, ½c. per lb.

Reduced

Copra, $5 per ton.
Greases, ½c. to ½c. per lb.
Lard, ¼c. per lb.
Linseed meal, $3 per ton.
Oil, corn, crude, ¼c. per lb.
ref., ¼c. per lb.
Grease, ¼c. per lb.
Peanut, ref., ½c. per lb.
Soybean, crude, ½c. per lb.
ref., ½c. per lb.
Tallow, ¼c. per lb.
Tung, ¼c. per lb.
Oleo stearine, ½c. per lb.
Soybean meal, $3 per ton.
Tallow, ¼c. to ½c. per lb.
Wax, carnauba, No. 3, crude, 2c. per lb.
ref., 2c. per lb.
No. 1, yellow, 2c. per lb.
Ouricury, ref., 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 1, 1952
105.31	106.91	107.75	115.84

(For Current Prices see page 9)

Vegetable Oils

Castor Dehydrated—Consuming demand lacked snap. Prices were unchanged and steady.

Coconut — Market remained steady, despite quiet consuming inquiry. Crude oil was offered at 15¾c. per pound tankcars, f.o.b. Pacific coast for first half February and 15½c., second half. At New York tankcars were available at 16¾c. per pound, nearby delivery.

Copra—This market was quiet and lower. Shipments were quoted at $220 per ton, c.i.f. Pacific coast, prompt shipment.

Corn—Light sales of crude were reported at 13⅜c. per pound, tankcars, f.o.b. mills, off ¼c. per pound. Refined oil also was lower at 16¾c. per pound, tankcars, New York delivery.

Cottonseed—There was little snap to trading in bleachable cottonseed oil futures last week, but the market retained a steady tone and prices scored slight gains. Market backed and filled reflecting the moves of soybeans and allied markets. Crushers continued to tender crude cottonseed oil to the government and estimated totals were raised to 8,300 tankcars, plus holdings of 2,200 tankcars of old crop oil. The refined oil government report was slightly bullish as the total was above trade expectations. Consumption in December was indicated at 1,663 tankcars, against 1,465 in November and 2,135, December, 1951. Disappearance for five months (August-December) totaled 8,228 tankcars against 9,119 during the same period last season. Visible supply at the end of December was estimated at 23,052 tankcars, compared with 16,879, December, 1951.

Crude cottonseed oil was sold at 14⅛c. per pound, tankcars, f.o.b. mills, Southeast and Valley, but closed nominal at 14c. In Texas sales were reported at 13⅜c.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pound) on the N. Y. Produce Exchange for the period ended Jan. 30 follow:—

	Sales	Cents per pound—High	Low	Close
March	148	16.77	16.46	16.70@16.71
May	182	16.40	16.02	16.36@16.39
July	97	16.07	15.72	16.02@16.05
September	31	15.46	15.26	15.43S
October	6	14.88	14.85	14.87@14.94

Total sales, 464 contracts.

Memphis.—Crude cottonseed oil 14c. nominal tankcars, f.o.b. mills. Crude soybean oil 12½c., same basis, February shipment. Cottonseed and soybean meals inactive. Resale meal available below ceilings.

Linseed—This market remained steady at prevailing quotations, due to the weakness of meal, which was selling below ceilings. Resale meal was offered at $77 per ton mills, with first hands quoting $79, immediate shipment. Demand was restricted to withdrawal of oil against former contracts, which has been steadily increasing. Interest in later requirements continued slow. Raw oil was quoted at 14.7c. per pound, tankcars, f.o.b. Minneapolis, and was available at 2 points less for carlot business. Tankcars for New York delivery were quoted at 15.95c. per pound.

Minneapolis.—Sales of raw linseed oil continued slow the past week, being confined largely to tankwagon and drumlot size, area crushers reported. Again there was some resale oil for sale in Eastern markets. Crushers, however, held the asking price of raw linseed oil at around 14.5c. a pound, tankcars, f.o.b., Minneapolis. Prices were being shaded in an effort to spur bookings but business was mostly for prompt needs. Rank and file of trade continued a cautious buying policy. Shipping specifications were light to moderate.

Shipments of linseed oil, in pounds, were as follows:—

	1952-53	1951-52
Past week	5,460,000	8,520,000
Since Sept. 1	163,140,000	170,220,000

Flaxseed—Market was unsettled and lower. Trading was light and spotty.

Minneapolis.—Flaxseed prices ruled weak, reflecting easiness in the futures market. Bids on No. 1 cash flaxseed went as low as $3.93¾ a bushel, delivered Minneapolis price, although buyers were paying "edges" of 1c. to 2c. a bushel over the quoted market. Near week's end, cash flaxseed was selling at slightly under $4. Purchases of seed in the spot cash market last week totaled 34 cars and around 15,000 bushels in trucklots. Bookings "to-arrive" amounted to 20 cars and in excess of 20,000 bushels in trucklots. Actual receipts (spot, against old to-arrive contracts, and for CCC account) totaled 107 cars as against 118 cars the previous week and 73 cars in the same week last year. Shipments from Minneapolis totaled 24 cars, compared to 45 cars the preceding week and 64 cars a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1952-53	Receipts 1951-52	Shipments 1952-53	Shipments 1951-52
Past week	181,900	144,500	40,800	120,700
Since Sept. 1	11,766,400	17,191,300	1,795,350	2,919,400

Oiticica—Consuming inquiry continued inactive. Liquid was offered at 25c. per pound, tankcars, New York, prompt delivery. Drums ranged from 26¼c. to 26¾c. per pound, depending upon quantity.

Olive—A firm tone prevailed due to the suspension of shipments of oil in bulk from Spain. Offerings were limited and firmly held at $2.45 to $2.55 per gallon, drums, spot duty paid, depending upon seller, buyer and quantity. Olive foots were dull and featureless. Stocks on spot were quoted at 15c. to 15½c. per pound, drums as to quantity.

Palm Kernel—Trading was quiet. Market was steadier with coconut oil and lifted ½c. per pound. Tankcars were quoted at 15c. per pound, in bond, New York.

Peanut — Buying interest was slow. Crude oil was sold at 22½c. per pound, tankcars f.o.b. mills. Refined oil was lower, and quoted at 26¼c. per pound, tankcars, New York delivery.

Rapeseed — Trading was fairly active. Refined oil was held at 16½c. per pound, tankcars, New York, prompt delivery.

Soybean—Trading was light. Market was unsteady and slightly lower. Crude oil was quoted at 12¼c. per pound, tankcars, f.o.b. mills, February shipment; 12⅛c., March, and 11⅞c. April-June. Refined salad oil was quoted at 15⅛c. per pound, tankcars, New York prompt delivery.

Consumption of crude soybean oil in December was placed at 3,543 tankcars, compared with 3,600 in November and 3,145, December 1951. Disappearance for three months (October-December) totaled

For Late Market Developments, See Page 4

10,675 tankcars, against 9,264, during the same period the previous season.

Sales and prices of prime crude soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the period ended Jan. 30 follow:—

	Sales	Cents per pound High	Low	Close
March	7	12.20	12.01	12.16@12.21
May	31	12.06	11.78	11.95@12.02
July	11	11.90	11.80	11.81@11.85
September	1	11.50	11.50	11.33@11.45
October	1	11.15	11.15	11.15@11.25

Total sales, 51 contracts.

Tung — Buying interest was restricted to immediate delivery. Market continued easy and asking prices could have been shaded on firm bids. Light trading was reported at 29¾c. per pound, New York, prompt delivery, with 30c. generally asked. Domestic oil was nominal at 28c., tankcars, f.o.b. mills.

Fats and Greases

Greases—All grades were lower, except yellow which was unchanged and nominal. Declines ranged from ⅛c. to ½c. per pound. Trading was fairly active at the lower levels. Choice white dropped to 4⅝c. per pound, tankcars, delivered; house, 3⅞c., and brown, 3⅜c. Yellow was nominal at 4c. per pound, same basis.

Lard—Trend of the market continued downward and loose lard reached the lowest level during the past twelve years. Cash lard was easier and quoted at 8⅞c. per pound, tierces, Chicago.

Tallow—Weakness featured this market and prices were lower. The biggest decline occurred in fancy and extra, both off ½c. per pound. Lower grades were about ¼c. lower. Fancy declined to 4½c. per pound, tankcars, delivered; extra, 4¼c.; special, 4⅛c., and No. 1, 4c., same basis. Trading was fairly active at the decline with some soapers participating. Edible tallow was unchanged at 6½c. per pound, tankcars, delivered.

Animal Oils

Further weakness in tallow and greases was reflected in grease and tallow oils and prices were off at least ¼c. per pound. Neatsfoot oil was firmer, with scarcity of stock and quotations were up 1c. per pound. Oleo oil was firmer under improved buying and was raised ¼c. to 10¾c. per pound, drums, carlots with trading thereat. Oleo stearine was easier and declined to 6½c. per pound, barrels, carlots.

Fish Oils

Refined Fish—Deliveries of refined grades were in good request, while new business was light and spotty. Prices were unchanged at recent decline. Light pressed oil was quoted at 10½c. per pound, and alkali refined, 11½c. per pound, tankcars, New York. Crude menhaden oil was quiet and maintained at 7½c. per pound, tankcars, Baltimore and 6½c., Gulf ports. Production of crude menhaden oil totaled 11,822,960 gallons during the eleven months ending November, compared with 12,352,850 gallons, during the same period in 1951 and final 1951 output of 12,537,115 gallons, while crude sardine oil production for eleven months amounted to 29,820 gallons, against 1,870,050 gallons a year ago and final 1951 total of 1,942,580 gallons.

Los Angeles.—The market remained quiet. Tuna oil production continued light and quoted nominally, 6¼c. per pound, f.o.b. San Pedro. Mackerel oil quotations were unchanged, 7.125c-7.25c. per pound, tankcars, f.o.b. San Pedro. Offerings of Alaskan herring oil have been limited, with demand fair; last sales at 7½c. per pound, f.o.b. Seattle. Menhaden oil quoted nominally, 6½c. per pound, f.o.b. Gulf ports.

Sperm—Recent declines have brought prices down materially. Bleached winter 45 deg. was quoted at 12c. per pound, and natural winter, 45 deg. 11c. per pound, tankcars. Drums were 1c. to 1½c. per pound higher as to quantity.

Cake and Meal

Cottonseed Meal—Most of the talk about the cottonseed meal business in the Southeast is centered around the large volume of meal that is going to storage for the account of the government. According to the Production and Marketing Administration, New Orleans Office, release of January 26, about 76,676 tons of meal and cake has been sold to Commodity Credit Corporation for future delivery and 104,477 tons delivered. Demand for meal was absolutely flat, with mills either getting their ceiling prices or tendering to the government. A few resale offerings were still in the market at prices ranging $1 to $5 per ton below ceilings.

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stricted to resale meal at prices below ceilings.

Minneapolis.—Trade in the linseed meal market was extremely dull and only those needing replenishments came in for supplies. Weakness of the market was attributed to Canadian supplies underselling the domestic market. Extracted linseed meal (about 35 percent protein) was very weak, buyers reported to be bidding around $77 a ton, bulk, f.o.b., Minneapolis. Processors quoted expeller (old process) linseed meal at the ceiling of $82 a ton, bulk, but very little was able to move at that price, processors and jobbers reported. There was no interest in forward requirements. Shipments of meal against old contracts, however, continued fairly brisk.

Shipments of linseed meal, in pounds, were as follows:—

	1952-53	1951-52
Past week	13,140,000	9,360,000
Since Sept. 1	301,400,000	284,880,000

Peanut Feed—Old process peanut feed 45 percent was quoted nominally at $82 per ton in the Southeast, with very little trading. The volume was small, but on the other hand, demand was slow. Solvent feed 45 percent was available at $80 per ton f.o.b. South Alabama and Florida for immediate and first half February shipment.

Soybean Meal—The supply of soybean meal continued to exceed demand. Some processors have indicated they can buy meal and oil to fill commitments cheaper than they can process beans at present-day prices. Forty-four percent bulk meal was available at $67.50 per ton Decatur, January-February and sales took place in the Mississippi Valley at $70 per ton f.o.b. mills, February shipment. A few scattered mills in the Southeast plan to crush some soybeans during February and March, but not enough bids have been received by mills to establish a selling price. Demand was slow.

Waxes

Carnauba—This market reacted lower, following recent sharp advances, which reduced buying interest and prices dropped about 2c. per pound. Supplies on spot were light and any improvement in business was bound to advance the market. Consuming inquiry, however, was inactive last week. No. 3, NC crude was quoted at $1.05 to $1.07 and refined at $1.08 to $1.10 per pound, on spot as to quantity. Ceara yellow No. 1 ranged from $1.35 to $1.37 per pound, same basis.

Ouricury—Trading was slow. Refined ranged from 75c. to 77c. per pound, as to quantity.

Miss. Cottonseed Co. Orders New Solvent Extraction Unit

The first of a newly-developed line of "packaged" filtration-extraction plants for the solvent removal of oil from cottonseed and soybeans has been ordered from the Lukenweld division of the Lukens Steel Company by Mississippi Cottonseed Products Company, Jackson, Miss., it has been announced jointly by the firms.

Designed at the Coatesville, Pa., engineering headquarters of the Lukenweld division, the new plant is based on development work by the Department of Agriculture's Southern Regional Research Laboratory in which Mississippi Cottonseed Products and Osceola Products Company, Osceola, Ark., cooperated. It will have a capacity of 150 tons of cottonseed or seventy-five tons of soybeans daily and is scheduled to be in operation by June, 1953, at Greenwood, Miss., important cotton center.

Fats, Oils Study in Europe Planned by Agriculture Dept.

The Department of Agriculture has designated Paul E. Quintus, head of the fats and oils division of the Office of Foreign Agricultural Relations, to conduct a firsthand study of the fats and oils market in Europe. Mr. Quintus is now in Spain. The study, one of a number that the department has made since 1949 under the agricultural marketing act of 1946, will cover Spain, Italy, Switzerland, Austria, western Germany, the Netherlands, Belgium, France and the United Kingdom.

The purpose of the examination of the European market is to obtain up-to-date information concerning trends in relation to probable United States export of fats and oils, particularly lard, tallow, soybean and fish oils.

Mr. Quintus, who has made several visits to Europe in connection with the marketing of United States fats and oils, will in his current study consult with agricultural attaches, foreign government officials, and processors, retailers and importers in the countries he will visit.

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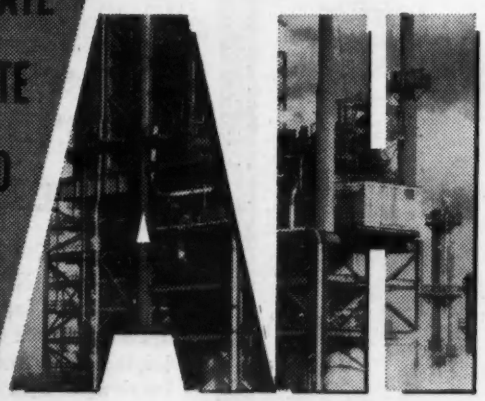

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Mikro 4TH, 2TH, 1SH, Bantam Pulverizers; Schutz O'Neill Mills.
Fitzpatrick S. S. "D" Comminuter, 5HP.
W. & P. type 3500 gal. Steam Jacketed, Double Arm Mixer.
J. H. Day 8 gal. Pony Mixer.
Baker Perkins 150 gal. Unidor S. J. Double Arm Mixer.
Baker Perkins BB, W. & P. Readco Heavy Duty 50, 100, 150 gal. Double Arm Mixer.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers from 2 to 450 gal., with and without Jackets, Single and Double Arm.
Day 650 gal. S. J. Jumbo Mixer.
Robinson 100, 800, 1500, 4000 lbs. Dry Powder Mixers.
Colton Rotary Tablet Machine.
R. A. Jones "E" auto. Soap Press.
Allis Chalmers and Great Western V, B4 and B6 Sifters.
Copper, Aluminum and S. S. Steam Jacketed Kettles.
Huhn Steam Tubular and Gas-Fired Rotary Tubular Dryers.
Tri-Homo 5 Colloid Mill, 7½ HP.
N. E., Lehman 3 and 5 Roll Mills.
S. & S. A Transwrap Filler.
Stokes and Smith G1, G2, G6 Auger Powder Fillers.
S. & S. HG88 Duplex Auger Filler.
Horix S. S. Rotary Filler.
Stokes #2 Tube Filler and Closer.
Filler 4-Head S. S. Piston Filler.
Ceco and Jones auto. Cartoners.
Knapp No. 429 Carton Sealer.
Pony ML and M Labelrites; Ermold, World Labelers.
Alsop, Sweetland, Sparkler Filters.
Oliver adjustable Wrapper for wrapping in kraft and cellophane.
Hudson Sharp Campbell auto. cellophane Wrapper.
Package Machy. FA, CA2 and DF automatic Wrappers.
Hayssen 3-7, 8-12, 7-13, Scandia and Miller auto Wrappers.

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PARTIAL LIST OF VALUES—SEND FOR NEWS FLASH!

2—1,400 gal., 1,000 gal., closed, stainless steel jacketed kettles.
1—1,600 gal. closed, stainless steel Storage Tank.
2—Oliver 8'x10' Monel Rotary Vacuum Filters.
2—Oliver 5'3"x3' Enclosed Precoat Filters.
1—Bird 36"x50" solid bowl Continuous Centrifuge, SS, 40 HP.
1—Fletcher 48" Suspended Centrifugal, aluminum perforated basket, motor driven.
1—AT&M 42" Suspended Centrifugal 347 stainless, bottom discharge, motor driven.
2—Tolhurst 32", 26" Suspended Centrifugals, Monel perforated baskets, motor driven.
3—Buflovak 6' diameter Atmospheric and Vacuum Crystallizers.
2—Devine #27 Double Door Vacuum Shelf Dryers, 17-59"x78" shelves.
4—Devine single door Vacuum Shelf Dryers 20 and 6-40"x43" shelves.
2—Stokes 30"x8', 3'x15' Rotary Vacuum Dryers.
1—Link Belt Monel 2'7"x8' Roto-Louvre Dryer.
1—Vulcan 4½'x50' Rotary Dryer, ⅜" shell.
1—Albright Nell 60"x80" Single Drum Dryer or Flaker.
1—Hardinge 4½'x16" Conical Steel Lined Ball Mill.
4—Oliver 3'x1', 4'x5', 8'x12', 11'6"x18' Rotary Vacuum Filters.
3—#7 Sweetland Filters with 27 leaves on 3" centers.
4—Shriver 30"x30" C.I. Filter Presses, P&F, 30 chambers, open delivery, washing.
4—Sperry 24"x24" C.I. Filter Presses, P&F, 16 chambers, closed delivery.
1—Sperry 24"x24" Aluminum Filter Press, P&F, 22 chambers, open delivery.
4—Groen 150, 125 gal. SS, jacketed, agitated Kettles.
1—Blickman 25 gal. SS jacketed Still with refulux condenser.

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1—5'x15' Rotary Kiln, oil fired.
1—Jeffrey 5'x9' Monel Indirect Vibrating Hot Air Dryer.
2—Pfaudler 100 gal. glass-lined Stills with glass-lined Condensers and Receivers.
2—Sharples P-16 Monel pressuretite Centrifuges.
1—Tubular Heat Exchanger, SS, 225 sq. ft.
1—Bird 18"x28" steel, solid bowl, Continuous Filter.
2—Baker Perkins 100, 50 gal. double arm, jacketed Mixers, Sigma Blades.
1—American Gas Furnace 7" dia. x 30" long, nichrome tube.
1—Steel Tank 10'x50', welded ASME, 50# pressure.
2—Raymond 4 roll, high side Mills.
1—#12 Sweetland Filter with 36 steel leaves, 4" centers.
1—Robinson 40"x104" Triple Deck Sifter.
1—Vertical Steel Storage Tank 30'x26', 135,000 gals.
1—Link Belt Roto-Louvre Dryer 3'10"x16" Stainless Steel. New.
1—Mikro Pulverizer #2TH Stainless Steel, 15 HP motor.

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1—Stainless Steel Rectang. Tank, 12' l x 9' w x 4' deep, open top, flat bottom.

1—450 gal. Stainless Steel Jacketed Agitated Kettle.

1—250. gal. Aluminum Jacketed Agitated Kettle.

1—1,500 gal. Steel Jacketed Vacuum Kettle.

1—Acme #8½A Jaw Crusher, 9 x 16 opening; 20 HP motor.

1—1,000 gal. Stainless Steel Tank, T316, vertical, closed.

1—275 cu. ft. Stainless Steel Bin or Hopper, Type 316, ¼" thick, welded and reinforced, 6'9" x 6'9" x 3'8" high on straight side—10' O.A. Ht.

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Manufacturing and packaging equipment of Chemical Manufacturing and Distributing Co., Easton, Pa. Equipment priced to sell:

1—500 gal. Pfaudler Kettle.
3—Powder Mixers — 2000#, 1,000#, 800#.
1—Viking Rotary Pump, 3".
1—Mikro Pulverizer #1-SI.
1—Lightnin Agitator—3 HP—431 RPM.
3—12,000 gal. Steel Tanks.
2—7,500 gal. Steel Tanks.
1—1,000 gal. Stainless Clad Rectang. Tank.

Pumps, Tanks, Kettles, Etc.

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We have purchased for liquidation, the equipment of the Patrick Henry Brewery, Marion, Indiana. We can offer excellent bargains in grain handling equipment, filters, ammonia compressors, cookers, pumps, conveyors, office and machine shop equipment, etc. Also 600,000 gallons total capacity welded steel tanks from 3,500 gal. to 12,500 gal. sizes.

This equipment is priced to sell and we recommend your early investigation.

FOR SALE FROM STOCK

8—15,000 gal. Vertical Welded Steel Closed Fermenting Tanks, 80 lb. W.P. turbine agitator with 40 HP motor, 970 lin. ft. 3" pipe coil. Excellent condition.
9—3,000 gal. Horizontal Stainless Steel Tanks, insulated and agitated.
40—Stainless Steel Tanks—30, 60, 100, 150, 200, 300, 500, 1,000, 1,250, 3,000, 4,200 5,700 gal.
35—Aluminum Tanks, closed, 4, 275, 330, 480, 500, 1,350, 1,450 and 9,000 gal.
50—Stainless Steel and Stainless Clad Steam Jacketed Kettles—10, 40, 60, 80, 100, 150, 200, 500 gal.
1—4-gal. Nickel autoclave, 1,500# T.P., agitated.
1—2½ gal. Stainless Steel Reactor Tank with agitator.
4—Aluminum Reaction Kettles, Jktd. and Agit., 35, 60, 100 & 250 gal.
1—Stainless Steel T316 Packed Column, 2' dia. x 6'9" H.
6—Stainless Steel Heat Exchangers, 400, 330, 190, 40 & 8½ sq. ft.
1—Ball & Jewell #1½ Rotary Cutter, stainless steel.
3—Mikro Pulverizers #1-SH, #2-S1, #2-TH.
2—Bird 48" dia. Suspended Centrifugals Stainless Steel Perforated Basket, Plow, Bottom Discharge, 15 H. P. motor.
1—Fletcher 30" Jr. Centrifugal T304 S.S., solid basket.
4—DeLaval Centrifugal Oil Purifiers, models 600, 74-11 and 94-01.

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E—Ejector, Steam two stage 8" type B 32.
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U—Unscrambling Table, Island 22"x6' long.
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P—Pulverizers Mikro #1—2-3 & 4 with 40 HP.
M—Mills Patterson Jktd. 6'x16' Mang. Lined.
E—Evaporators Steel 350 and 3500 gals.
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T—Tablet Machine Stokes RD 4 Complete.
C—Cutters Rotary Abbe #2 & 2½ with 40 HP.
L—Louisville Rotary Dryer 6'x50' complete.
E—Elmco 8'x8' Vacuum Filter, Complete.
A—Autoclave 3500 gal. Jktd. & Agtd.
R—Reactor 30 gal. 347 S/S. Jktd. & Agtd.
I—Imp Mill Raymond 9"x18" Chamber.
N—New Steel & SS Ribbon Mixers, All Sizes.
G—Groen S/S Jacketed Kettles, All Sizes.
H—Horizontal 10,000 gal. Steel Tanks, Welded.
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U—United Oliver Filter 8"x12' & 3'x12".
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E—Evaporating Dishes Glass & Nickel Clad.
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N—New & Used Kettles, Tanks & Reactors.
C—Centrifuge Fletcher 40" S/S with 7½ HP Exp.

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STAINLESS STEEL EQUIPMENT CENTER

1—Tolhurst 48" S.S. Center Slung Centrifuge.
2—Bird 48" S.S. Sus. Style Centrifuges.
1—Buflovak 6' Jack. & Vac. Crystallizer.
1—Devine 13 shelf Vac. Dryer, 40"x43".
1—Stokes 138 Vac. 6 Shelf Dryer, 24"x36".
1—Sweetland #12 Filter 72 Leaves.
3—Wood Plate & Frame Filter Presses, 18" & 24".
2—Sperry 36" Cast Iron Presses, Hyd. Closures.
5—Stainless Kettles with Ag., 100 to 950 Gals.
16—Stainless tanks, 240 Gals. to 5700 Gals.
3—Dopp C.I. Kettles, 60, 250 & 650 Gallons.
3—Stainless Jack. Kettles, 300 Gals. D.M. Ag.
4—Mikro Pulverizers—Bantam SH to 2 TH.
1—Rotex Screen, 40"x120", Motor Drive.
3—Alum. 27" & 36" Bubble Cap Columns.
2—Erie City 200 H.P. Economic Boilers, 150# W.P.
3—Horiz. Steel Tanks, to 20,000 Gals.

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4—Stainless steel vacuum reactors, 150 to 500 gallons, jacketed, mfgd by O. G. Kelley.
3—5400 gallon stainless steel closed vertical tanks.
1—Swenson quadruple effect evaporator, copper tube, cast iron bodies.
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1—Szegvari 60 gallon stainless steel attriter.
1—Ball & Jewell #1 rotary cutter, ball bearing.
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SPECIAL

Vallez Filter 41 Stainless covered 44½" dia. leaves.

DRYERS AND KILNS

Devine #12 Vac. Shelf Dryer, 40"x42".
2—Allbr. Nell 4'x9 Atmos. Drum Dryers.
1—Proctor & Schwartz 6 fan automatic 3 apron Conveyor Dryer.
1—Buffalo Vac. Drum Dryer, 24"x20".
Gehnrich Gas Fired Dryer, 12 trays, 21"x32"
6—Steam, gas & elect. Dryers.
8—Rotary Dryers, Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

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6—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26", 30", 40" & 48", Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges, 2 HP. Also No. 6.
2—De Laval Multi Clarifiers, 300 & 301.

FILTERS

1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
10—Sperry and Shriver, 12", 18", 24", 30", & 36" iron Filter Presses.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS

2—Pfaudler 500 gal. vert. Glass Lined Tanks.
Dopp 350 gal. agit. Jack. C. I. Vac. Kettle.
Devine 36" dia. Impregnating Unit; Jacketed. Liquor & Impregnating Kettle.
100 gal. Jack. Impregnating Kettle.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
8—Jack Kettles, 50 to 2500 gals.
1—250 gal. Lead lined Kettle.
Stainless, alum., Copper, Glass Lined, Lead Lined Kettles and Tanks.
New Stainless Tanks. 50 to 500 gals.
4—Steel welded horiz. Tanks, 10,000 & 5,000 gals.
Copper Varnish Kettles, 150 to 300 gals.

PULVERIZERS AND MILLS

2—Abbe Pebble Mills, 24"x33". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills.
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22", 9"x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x36" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS

Baker Perkins double arm Mixers, 100, 50, 9 gals. & 4½ gals. Also single arm Mixers
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10—Dry Powder Mixers, 50 to 2,000 lbs.
Day 15 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 2 HP.
6—Lead and Paste Mixers, to 150 gals.

MISC. AND SPECIALS

2—Buffalo 6' dia. Vac. crystallizers.
4—Stokes & Colton Rotary and Single Punch Tablet Machines, ½ to 3".
4—French Oil 400 Ton Linseed & Cottonseed Hydr. Presses.
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers.
Filling Machines, liquid paste, powder.
Elgin Capper, ½ H.P. Motor driven.
2—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36".
1—Gould 75 HP 2 stage centrif. Pump.
4—Stokes Vertical High Vac. Pumps.
2—Worth 12"x12"x12" Vac. Pumps.
6—Devine & Buffalo Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc.
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Boilers—Gas, Oil & Coal Water Stills.

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Pebble Mills: 5 gal. to 250 gal.
Pulverizers: Micro SH, 1SI, 2TH.
Vacuum Pans: 6' stain. steel, 5' copper.
Powder Mixer: Day, 66 cu. ft., jktd.
Clarifiers: Sharples Vaportite st. steel.
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Mixer: Read dbl. arm, 380 gal., st. steel.
Disintegrator: Rietz 40 hp.
Clarifiers: De Laval 84-SI, motor dr.
Filter: Oliver 3'x4', Everdur. con.
Vacuum Pumps: Nash AL-6 and HS.
Press: Davenport 3-A, Durimet con.
Mill: 12x24" Farrel-Birmingham, 25 hp.
Dryer: American 42x120" double drum.
Vacuum Pan: Stokes 25 gal. st. steel, jacktd.
Powder Mixers: 100 to 2,000 lbs.
Filter Presses: 7" to 24", Sperry, Shriver.
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Tanks: 3,000 gal. vert. dairy gl. lined jktd.

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1—Abbe #2 Master Rotary Cutter.
1—Buflovak Stainless Steel Lab. Double Drum Dryer, 6"x8".
1—Ruggles Cole Rotary Dryer, 7½'x60'.
1—Vulcan Rotary Kiln, 7'x120'.
4—Devine, Stokes & Buflovak Vacuum Shelf Dryers, 5, 9 & 12 Shelves.
1—Alco Stainless Steel Heat Exchanger, 60 sq. ft.
3—Downington Stainless Steel Heat Exchangers, 45 & 500 sq. ft.
1—Struthers Wells Hastelloy B Heat Exchanger, 450 sq. ft. Unused.
1—Buflovak Type VRC Double Effect Monel Evaporator, 250 sq. ft.
1—Bird 24" Monel Screen Type Centrifugal Filter.
1—Oliver Homogenous Lead Filter, 8'x8'.
4—Sperry Stainless Steel Filter Presses, 12"x12", Closed Delivery, 10 Chambers Each.

1—Swenson Walker, Type 316 Stainless Steel Jacketed Crystallizer, 4-10' Sections.

1—Shriver Stainless Steel Filter Press, 24"x24", Closed Delivery, 10 Chambers.
1—Sperry Aluminum Plate & Frame Filter Press, 42" x 42", Closed Delivery, 3" Frames, 35 Chambers.
1—Baker Perkins Jacketed Lab. Mixer, Size 4, Stainless Steel Construction, Sigma Blades.
1—Baker Perkins Stainless Steel Jacketed Dispersion Mixer, 100 gals.
1—J. H. Day Stainless Steel Jacketed Double Arm Mixer, Sigma Blades, 12 gals.
2—Turbo Steel Jacketed Mixers, 700 gals. each.
1—Glascote Glass-Lined Jacketed Vacuum Reactor, 1600 gals., Unused.
1—Pfaudler Glass-Lined Jacketed Vacuum Reactor, 500 gals.
1—Combustion Engineering Stainless Steel Jacketed Autoclave, 500 gals., 300 PSI.

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Paint Mills: Day, Lehman, etc., solid rolls.
Pwdr. Mixers: ribbon, tumbler, 50 to 3000#.
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Baker Perkins Mixers, style VIH, jktd., tilting, 100 gal. working capacity.

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KETTLES—Alum. 275 gal. Jacket/agit.
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MIXER—Stokes, 13 gal.
MOTOR PUMPS—New to 650 gpm.
VACUUM PUMP — Devine 10x10, 2 stage.
STOKES LAB. Filling Equip.

LAWLER COMPANY
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METUCHEN 6-0245

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#316 Stainless Steel Tanks, new, 100, 200 & 360 gal.
1—Stainless Tank #430 Chrome, vert., 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—J. H. Day Steam Jacketed 50 gal. Sigma Blade Mixer.
1—Copper Evaporator, steam jacketed, 9'1"x3'0".
60—New Pressure Cookers, 18"x18" & 24"x28".
50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—Jeffrey Vibrating Conveyor 15' lg. 12" wide.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
1—Model 16 Sharples Stainless Steel Centrifuge.
3—New Drum Rollers.
1—A. F. Bartlett Hog Mill & 7½ H.P. Motor.
1—Sweetland Filter No. 5—15 leaves.
3—Stainless Steel Jacketed Filters.
2—Plate & Frame Filters 25"—open del.
4—Tanks 100,000 gals. each.
1—Shriver 18" Aluminum Filter 9-plates, 9-frames.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.

SPECIAL:
Mead Mill #2 with 7½ H.P. totally enclosed motor & Draver Feeder—like new.
Davenport Rotary Steam Tube Dryer, 6'x36', complete with drive and Press—latest model.

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FOR SALE
2—Motor Driven #2SI Mikro Pulverizers. Practically Brand New.
1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 500 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Eppenbach Stainless Steel Homo Mixer with a 7½ hp Explosion-Proof Motor.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.
Specializing in Rebuilt Machinery
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BLOWERS
1200 CFM @ 58.7 lbs., SS, w/10 HP turbine.
10,000 CFM @ 1.9 SP Everdur Blades (5).
74,000 CFM @ 10" Sturtevant #1000.
(Send for our complete listing of blowers.)

CENTRIFUGES
24" Bird, type CH, SS.
40" Fletcher, type 304 SS.

DIGESTERS
3900 gal. jackt'd., agit. ASME 75 PSI.

DRYERS—MISC
30"x8' Stokes, Model 59AB, vacuum, rotary.
5'x6', Blaw-Knox, Drum, atmospheric.
24"x28' Proctor & Schwartz Conveyor.

FILTERS
8'x12' Feinc, rotary, vacuum.
8'x10' & 11'6"x18', Oliver.
No. 7 Sweetland, 172 sq. ft., 41 taps.
36" Shriver, C.I., 36 chambers.
12" Sperry, aluminum, 10 chambers.

FLAKER
5'x6', Blaw-Knox.

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5740 sq. ft. Vogt, chrome-moly tubes.
1024 sq. ft. 8 pass, steel tubes & shell.
400 sq. ft., 2 pass, Admiralty tubes (NEW).

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7'x160'x5/16" (2).
7'x120'x5/16".
7'x60'x3/8".
5'6"x25'x9/16" Allis-Chalmers.
5'x30'x3/8" Ruggles Cole.
502-20 Rote-Louvre.
4'x60'x½".
4'6"x40'x3/8" Traylor.

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2190 cu. ft. Johnson, paddle type.
140 cu. ft., double shaft, paddle (NEW).
77 cu. ft. Blystone, heavy duty (2).

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REACTORS—ACID GLASS
400 gal. Pfaudler, ASME.
500 gal. Pfaudler, ASME.

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600 gal. 57"x8' copper, shell 25 PSI. jacket 100 PSI.
1500 gal. 66"x10'x1" cast iron.

STORAGE TANKS
3400 gal. 7'4"x10'x3/8" type 430 SS.
4100 gal. 5'x28'x¼".
6000 gal. 8'x15'x3/8" vert. ALUMINUM.
6500 gal. TANK CAR TANKS, 76"x28'.
8500 gal. 8'x23'x5/16" vert. (NEW).
12,000 gal. 8'x32'x¼" (NEW).
15,000 gal. 10'6"x23'x¼" (NEW).
135,000 gal. 30'x26' w/coils.
(We have facilities for building of new tanks. Send us your inquiries.)

PRESSURE VESSELS
1050 gal. 4'x12'x½" 106 PSI.
1200 gal. 42"x16'x5/16" ASME 125 PSI.
1250 gal. 4'x14' 106 PSI.
8200 gal. 8'x23'x2" 390 PSI (4).
9500 gal. 7'6"v28'x½" 125 PSI.
16,000 gal. 96"x45'x¾" ASME 150 PSI.
30,000 gal. 10'x47' ASME 50 PSI.

Phone or Write for complete descriptions, prints and prices. Ask for our current catalog.
Send us your surplus equipment lists

Heat and Power Co., inc.
70 PINE STREET HANOVER 2-4890 NEW YORK 5, N. Y.
Machinery & Equipment Merchants

Tinplate Products Export Restrictions Are Removed

Export quota restrictions on secondary tinplate products were removed January 30 by the Office of International Trade. Under the new licensing policy for these products, no quantitative ceiling on exports has been set but exports are controlled to protect the national security. A validated export license, therefore, is still required.

OIT also announced that the time schedule for filing first quarter applications for secondary tinplate products has been removed and export license applications may be filed at any time. In addition, evidence of availability is no longer required.

Collett Chlorophyllins Output In Large Quantities Told

Leon-White Enterprises, New York, has announced that Collett-Week-Nibecker, Inc., Ossining, N. Y., for whom Leon-White is the sole United States selling agent, is now producing large quantities of pharmaceutical grade chlorophyllins. The crude plant extract is prepared for Collett by the Glidden Company, Cleveland, Ohio.

Sponge Rubber Curbs Off

The Office of Price Stabilization last week suspended price controls on latex foam sponge rubber products at all levels of distribution. The action, taken in General Overriding Regulation 3, revision 1, effective January 28, was ordered, OPS said, because manufacturers' selling prices are substantially below ceilings and wholesale and retail prices reflect a similar trend. Not covered in the action, however, are products classified as "chemically blown sponge."

Tung Oil Importations From Argentina Scored

The American Tung Oil Association and the Tung Growers Council has protested the heavy importation of tung oil from Argentina and has stated its stand in the following telegram which was sent to various senators and representatives from the tung belt:—

At a joint meeting of the American Tung Oil Association and Tung Growers Council, January 17, it was agreed that a flood of imports of foreign tung oil is endangering our industry. We are unable to market our present crop due to 1952 tung oil imports from the Argentine of over seven million pounds in excess of their estimated 1952 production. It is reported that they are at the moment offering fourteen million pounds of aditional tung oil for immediate delivery which if allowed to reach here would completely jeopardize our price support program and block the marketing of our oil to the consumer. Present market already thirty percent lower than sixty days ago. We strongly urge that you request the treasury department to impound all Argentine shipments of tung oil pending an investigation of the origin of the tung oil, as there are indications that it may have originated in Communist China. We also urge you to contact Secretary of Agriculture Benson and request him to impose an immediate embargo on all future shipments of foreign tung oil in accordance with the provisions of the agricultural act."

PAD Posts to Two

Appointment of Henry L. Waszkowski, jr., as assistant director of the production division of the Petroleum Administration for Defense and Howard S. Spering as assistant director of the refining division was announced last week. Mr. Waszkowski, who was formerly connected with the Magnolia Petroleum Company, succeeds Michael C. Brunner, who has returned to Shell Oil Company. Mr. Spering is on leave from the Texaco Development Corporation.

RELIABLE FMC EQUIPMENT FROM YOUR FIRST SOURCE

STAINLESS STEEL EQUIPMENT NOW IN STOCK

MONEL, GLASS LINED, RUBBER or LEAD LINED

Brand NEW	S/S Steam Jacketed Kettles or Tanks in all capacities, and types
3168-D13	500 Gal. S/S. Closed Top Jacketed Reactor; 6' diameter
3424-K9	470 Gal. Type 316 S/S Jacketed Tank; 4'x5' with S/S. Agit. 5 HP
3320	Two Type 316 S/S Closed Top Tanks; 150 and 200 gal. Agitated
3424 K4	95 Gal. S/S Reactor 2'x4' with S/S Turbine Type Agitator
3561-E3	30 Gal. Type 347 S/S Reactor; 18"x24" Agt. Jktd. with S/S Condenser
3549	S/S Hi Pressure Autoclave 3000 PSI; 10"x15"; Jacketed, Agitated
3585	S/S Flash Tank 8'x6'; with S/S. Tube Bundle
2879	S/S Heat Exchanger Shells; 14½"x47"; 24" x 71"; closed heads
3662	2 Pfaudler S/S Jacketed STILLS; 13 gal. and 20 gal.
3424 K 2	MONEL Agitated Reactor; 3'x4'; Agitated; with S/S Condenser and Receiver
3544	Pfaudler Glass Lined 400 Gal. REACTOR; 4' x 4'
3168	400 Gal. Lead Lined Tank; 4'x4'; with manhole top
3493 (3)	300 Gal. Rubber Lined Tank; 2'x10'.
3483 W	3250 Glass Lined Horizontal Tank; 8'x14'
3430	2200 S/S Horizontal Tank, oval; 69"x49"x16½"; insulated cork
3413	3500 S/S Horizontal Tank, oval; 6'x4'x22'; insulated; manhole
3650	Extra heavy duty S/S. Tank; 4'6"x9'
3470	Type 347 S/S Bubble Cap Column; 16 sections; 8¾"x19' high, complete
3557	Croll Reynolds Vac. Evaporator MONEL; 30"x5'; w steam jet Evactor
3302	S/S Horizontal Tumbling Barrel Mixer; 5'x5'; baffled; with 3 HP
3505	Robinson Unique S/S Powder Mixer and Sifter; 17"x30"x20"; 3 HP
3566	Baker Perkins S/S Lab. Double Sigma Arm Mixer! 12"x6¼"x10"; 2 HP XPL
3293 E5	Day S/S Double Sigma Arm Mixer Jktd.; 13½"x11¾"x17½"; Vac. cover
3168 D 5	Stainless Crusher; 2 S/S rotors 18" long with saw tooth cutters; 2 HP.
3240 M3	Sharples Vaporite Super Centrifuge M84-21-IJY; Bowl 15000 RPM; 3 HP
3262	Langsenkamp S/S Model B EZ Adjust Pulpers or Strainers
2500/CI	American CRCO MONEL Model B Juice Extractors; screw type
3564	Type 316 Milton Roy Proportioning Pump S/S up to 7 GPM
41752/M3	Waukesha Sanitary Pump Size No. 55; motorized
41752/M4	2 Schieyer Type 316 S/S 1½" Pumps with 5 HP

STAINLESS FILLING EQUIPMENT

	NEW Straight Line and Rotary Syphon Fillers, all sizes up to Gallons in Stainless
	NEW Straight Line Vacuum Fillers, Stainless, in all sizes up to Gallons
3280 W	Horix Rotary Fillers S/S Gravity Vac. Type; Model HEV 14 stem complete
3284	Food Machinery Corp. 10 Pocket M. & S. Fillers in Stainless
3635 M2	Ayers Stainless Steel Filler Model C series; 12 spout
3284 A 19	Mojonnier Rotary Vacuum Filler S/S 14 station; Model No. 90
3640	2 Food Machinery Corp. S/S Hand Pack Fillers; several sizes
3383	Elgin WX Twin Piston S/S Fillers; will fill up to Gallons

SPECIAL
Special Stainless Equipment fabricated to your specifications

FRED R. FIRSTENBERG, President

FIRST MACHINERY CORP.
157 HUDSON ST WOrth 4-5900 NEW YORK 13 N. Y.

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COPY DEADLINE—Wednesday Noon Preceding Date of Publication.

Send replies to ads with box numbers to
OIL, PAINT AND DRUG REPORTER
30 Church st., New York 7, N. Y.

EQUIPMENT OFFERED

Stokes High Vacuum Pumps 212C, unused, water-cooled, 100 cfm; V-drive. Satisfaction guaranteed Only a few left Price very reasonable, inspect American Sales Co., 198-11 Hollis Avenue, Hollis 12 N Y HOllis 8-2900

3 Roll Mills; 100—10,000 gallon Mixers, cheap. Paddle Ribbon-Dough-Scoop-Tumbler types Plain & Jacketed; Crutchers; 20—500 HP Boilers; Fillers; Wrappers; Labelers; Stainless Steel Tanks. I. E. Newman, 5502 Blackstone Ave., Chicago, Ill.

30 HP Powermaster Boiler, 125# steam pressure, approx. 2 years old, excellent condition. OPD 747.

EQUIPMENT WANTED

Wanted—Send us your list of surplus or idle machinery. Interested in large capacity dry & wet Mixers, Rotary and batch Dryers, Pulverizers, all kinds of Jacketed Kettles, Distilling apparatus, Filling and Packaging Units, Stainless steel and non-corrosive Tanks and Vessels. For 38 years we have been buying from single items to complete Plants—Consolidated Products Co., Inc., 13-18 Park Row, New York 38, N. Y.

Chemical Equipment wanted for defense plant work including autoclave centrifuges, dryers, filters, kettles, mixers, pulverizers and tanks. Also interested in set-up plants, now operating or idle. Give full particulars in first letter for consideration. OPD 735.

Chemical Machinery wanted for replacement project. Can use several pressure vessels, centrifuges, rotary and vacuum dryers, filter presses, a continuous filter, chill roll dryer, steel and stainless steel tanks, mixing equipment packaging and wrapping units. Do you know of an assembled unit or operating plant? Please advise. OPD 737.

Laboratory three roller Mill size 4x8 with explosion proof motor—good condition. Three Roller Mill size 9" x 24" High Speed with explosion proof motor—good condition. One Pony Mixer size 20 gal. with explosion proof motor. OPD 742

FACILITIES OFFERED

Liquids packaged, cans or bottles, light manufacturing (North Jersey). Extraction and homogenizing facilities, steam plant, floor space in Metropolitan area. Also large mixing equipment. P. O. Box 997, New York 8, N. Y.

Northern France works, coal district, canal connected, established 90 years ago, producing Starch, Bleaching Water, Vegetable Sizes are interested in manufacturing new chemicals adaptable to existing equipment. Reply to Louis Lietard, Saint Saulve, Nord, France.

MATERIALS OFFERED

Available for immediate delivery 20 lbs. of dextro amphetamine sulfate powder in fiber drum. OPD 740.

MATERIALS WANTED

Sell Now! Markets declining. Confidential services offered for disposal of raw material inventories, factory output, over-production; also by-products and residues; equipment. OPD 736.

Need additional production Phenolic Powdered Resin. Standard material Selling price in 30c/lb. bracket. 150,000-200,000 lbs./mo. Advise type of grinding equipment will be used and what percentage below regular market price you would allow us on quarterly contracts. Please give full information first letter. OPD 746.

POSITIONS OFFERED

Chemist with some experience in stearates and related products. Excellent proposition available. Give experience in letter. All replies strictly confidential. OPD 733.

Dry color manufacturer has an opening for an organic color chemist. All replies held strictly confidential. Collway Colors, Inc., 15 Market Street, Paterson, New Jersey.

Industrial Salesman: Excellent opportunity for experienced industrial metal cleaner salesman in Northern Ohio. Salary, bonus, and expenses. All replies held in strict confidence. Write giving full details of education and experience to OPD 743.

Urea Molding Compounds—We have a client who has an unusually attractive opportunity for a seasoned chemical engineer or equivalent with substantial practical production experience, who can set up and supervise a medium size plant to produce Urea Molding Compounds. Company is well financed. If you think your experience and ability coincide with the requirements, please write in detail, and if an interview is arranged, transportation will be paid by our client. Your reply will be held in strictest confidence. Address "Plastics," c/o Walter J. Zimmerman Associates, 225 Lafayette St., New York 12, N. Y.

Analytical Chemists. Excellent opportunity for analytical control chemists experienced in pharmaceutical procedures. Must have strong analytical backgrounds. Write giving full detail of education, experience, salary and other pertinent information. OPD 749.

Development Chemists. Fine opportunity for experienced pharmaceutical development chemists. Minimum, BS or PhG degree; one preferably PhD level. Salaries open. In reply detail education, experience, salary, and other qualifications. OPD 750.

POSITIONS WANTED

Manufacturers Representative, Sales Manager: 14 years experience, sales manager, production manager for large pharmaceutical-chemical company in Europe, Far East. Familiar with markets, world production of chemicals, pharmaceuticals, essential oils. Doctor's degree, University of Utrecht, Holland. Fluent in 6 languages. Excellent references. OPD 741.

POSITIONS WANTED

Chemist, organic: PhD. with 5 years diversified research and development experience in synthetic organics, dye intermediates, and pharmaceuticals Desire responsible supervisory position as head of laboratory or research group. OPD 728.

Chemist, Supervisor, Formulator. 7 years heavy experience. Joint cement, size, spackling, texture, powder paints, calcicoaters, etc. Have several outstanding formulae. Also plaster, plaster products, wallboard, etc. Can relocate. Write Apt. 5 C, 2957 Ave. W, Brooklyn 29, N. Y. Ni 8-3645.

REPRESENTATION OFFERED

Wanted—Representatives in leading cities to handle line for old established firm producing raw materials for paint and varnish manufacturers. Excellent commission potential for men with good contacts. Protected territories. Give full details about yourself and your experience. Address OPD 745.

REPRESENTATION WANTED

Manufacturer's Agency with good connections in Canada in the Dairy Industry and in the Paper, Paint, Rubber and Adhesive Industries —would like to contact manufacturers interested in selling their products in Canada—on a straight commission basis. Please reply promptly to OPD 739.

Technical Sales Organization seeks to obtain additional lines in the chemical, chemical equipment and related fields, including new products developed by manufacturers and consultants; covering the Metropolitan New York area. OPD 748.

Prominent West Coast firm with warehouse facilities headquarters, Los Angeles, wishes to add few top notch lines. Established following—rubber-protective coatings, pharmaceutical industries. Interested in representing prime producers only. Can furnish own capital if situation warrants. OPD 738.

Wanted

ROTARY COMPRESSOR

About 8000 C.F.M. Discharge pressure, 40 lbs. Steam or electric drive.

BOX 751, OIL, PAINT AND DRUG REPORTER
30 Church Street, New York 7, N. Y.

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for the insecticide division of well established manufacturer. Professional training or equivalent experience in entomology, plant pathology, or chemistry preferred. Experience in selling agricultural chemicals desired. Free to travel, territory of choice. Salary open. State age, education, experience, and enclose recent snapshot. Unusual opportunity with unlimited potential for growth. Our men know of this advertisement. Box 744, Oil, Paint & Drug Reporter, 30 Church Street, New York 7, N. Y.

SALESMAN

A basic producer of synthetic detergents offers a splendid opportunity in sales. The man we are looking for should meet the following qualifications: 30-40 Years, College Education, 5 years experience in chemical sales, and most of all a knowledge of the synthetic detergent industry—its customers—applications and chemistry. This is more than a sales job—the right person will head up his own Sales Department and future opportunities for advancement and remuneration are unlimited. Write giving full details of past experience to Oil, Paint and Drug Reporter, Box No. 719, 30 Church Street, New York 7, N.Y.

WANTED — RAW MATERIALS

Chemicals, Pharmaceuticals, Botanicals, Oils, Solvents, Pigments, Colors, Waxes, Essential Oils, Aromatics, etc.
Wastes — Residues — By-Products

CSC Chemical Service Corporation
88 BEAVER ST., NEW YORK 5, N. Y.
HAnover 2-5970 EST 1925

Soap Ass'n Told

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other hand, French lavender, French spike lavender and lavandin may weaken somewhat on account of their present price level and competitive prices on other essential oils."

Aromatic Chemicals

Noting that the price of those aromatic chemicals where an essential oil serves as the starting point is directly governed by the corresponding price of the essential oil from which the aromatic chemical is derived, Mr. van Ameringen advised the soap makers to "take advantage of the present price situation of citronella oil and lemongrass oil to contract for geraniol, citronellol and the ionones based on the present low prices." He said that there need be no concern about important price increases in aromatic chemicals unless the government, in the event of a national emergency, is compelled to restrict the use of certain intermediates and primary chemicals as was the case during World War II.

Tallow and Grease

At another session, Raymond H. Ewell, manager of the Chemical Economics Service, Stanford Reserach Institute, reported on the outlook for fatty acid raw materials. Calling tallow and grease the "massive heart of the problem," he predicted that these fats will probably be in greater and greater oversupply in the coming years, so that by 1957 there may be a surplus of around 1,200,000,000 pounds.

He attributed the decline in consumption of tallow and grease since 1947 primarily to the displacement of soap by synthetic detergents. However, he said that there has been one hopeful development during the past three years—synthetic detergents based on tallow and grease. "In 1952," Mr. Ewell stated, "it is estimated that 88,000,000 pounds of tallow and grease were consumed in this use, equivalent to over 500,000,000 pounds of finished detergent.

"Fat-splitting, the second biggest consumer of tallow and grease," he went on, "is assumed to increase its consumption of these fats from 212,000,000 pounds in 1952 to 280,000,000 pounds in 1957. This growth is based on the historical growth rate of fatty acids of about 4 percent per year. Lubricants are assumed to remain level at 60,000,000 pounds per year of tallow and grease. All other uses are assumed to remain level at about 100,000,000 pounds per year.

Hope Seen in Fatty Acids Uses

"The big hope for increased utilization of tallow," he concluded, "lies in new uses for fatty acid. Soap is on a downtrend which may never turn upward again, at least not for many years. Synthetic detergents will probably use increasing amounts of tallow and grease, but even if all synthetic detergents were made from these fats, this would take only 400,000,000 to 500,000,000 pounds in 1957. Lubricants and most of the minor uses have little or no growth potential. That leaves fatty acids as the only hope for the future for greatly increased consumption of tallow and grease."

Election of Officers

George A. Wrisley, of Allen B. Wrisley Company, Chicago, was reelected president of the association. Vice-presidents elected were the following:—East, E. H. Little, of Colgate-Palmolive-Peet Company, Jersey City, N. J.; midwest, E. W. Wilson, of Armour & Co., Chicago, and far west, Albert Haas, of Newell-Gutradt Company, San Francisco.

Nils S. Dahl, of John T. Stanley Company, New York, was reelected treasurer. Elected assistant treasurer was M. A. McManus, of Lever Brothers Company, New York.

Four new members were elected to board of directors. They were:—A. B. Hersberger, of Atlantic Refining Company, Philadelphia; E. B. Osborn, of Economics Laboratory, St. Paul, Minn.; C. L. Weirich, of C. B. Dolge Company, Westport, Conn., and Melvin Fuld, of Fuld Brothers, Baltimore, Md.

FDA Inspection Powers

—Continued from page 3

two-year period of validity for basic permits issued under the federal alcohol administration act.

Farm prices—S. 595 by Sen. James O. Eastland, of Mississippi, to increase the level of price support for the 1953 and 1954 crops of any basic agricultural commodity to 95 percent of parity.

FDA—S. 601 by Sen. Hubert Humphrey, of Minnesota, to protect the public health and welfare by restoring authority for factory inspections under the federal food, drug and cosmetic act.

Fuel reserves — S. Res. 45 by Sen. Hugh Butler, of Nebraska, to continue the authority of the senate interior and insular affairs committee to investigate fuel reserves and formulate a fuel policy until January 31, 1954.

Gas—H. R. 2120 by Rep. John E. Lyle, of Texas, to amend the natural gas act of 1938.

Gasoline taxes—S. 594 by Sen. Hugh Butler, of Nebraska, providing for refund of federal taxes on gasoline where the gasoline is destroyed by fire or other casualty while held for resale by a jobber, wholesaler, or retail dealer.

Labor—S. 655-9 by Sen. Robert Taft, of Ohio, five bills proposing a series of fifteen amendments to the Taft-Hartley act.

Parcel post—S. 586 by Sen. Frank Carlson, of Kansas, to repeal certain laws authorizing the Postmaster General, with the approval of the Interstate Commerce Commission, to revise parcel post rates, size limits, zones, and other conditions of mailability.

Price—H. R. 2136 by Rep. Edmund P. Radwan, of New York, to suspend federal price support for agricultural commodities during the present emergency.

Prices—S. 340 by Sen. Pat McCarran, of Nevada, to establish beyond doubt that, under the Robinson-Patman act, it is a complete defense to a charge of price discrimination for the seller to show that its price differential has been made in good faith to meet the equally low price of a competitor.

Reorganization—H. R. 1989 by Rep. Clarence Brown, of Ohio, to extend the government reorganization act until April 1, 1955.

Seaway—S. 589 by Sen. Alexander Wiley, of Wisconsin, and others, creating a St. Lawrence Seaway Development Corporation and providing for financing the United States share of cost of developing the seaway.

Tax collections—S. 612 by Sen. Francis S. Case, of South Dakota, for the collection of internal revenue taxes and customs duties and the administration of the internal revenue and customs laws by an agency independent of the Department of the Treasury.

Tin — H. R. 2006 by Rep. Clark W. Thompson, of Texas, to provide for the maintenance of an adequate tin smeltering industry.

Weeds—S. 627 by Sen. Karl E. Mundt, of South Dakota, for the control of noxious weeds on federally owned or controlled lands.

Weeds—H. R. 2115 by Rep. Harold O. Lovre, of South Dakota, for the control of noxious weeds on federally owned or controlled lands.

Gilbert Spruance Expands

The Gilbert Spruance Company, Philadelphia, has enlarged the storage and manufacturing facilities in its Philadelphia lacquer plant. Plans are now in the hands of builders for equipping a research laboratory, which is expected to be in operation about June 1.

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P.A.'s-Eye View

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efforts and easing supply lines. Cautious optimism supports these policies.

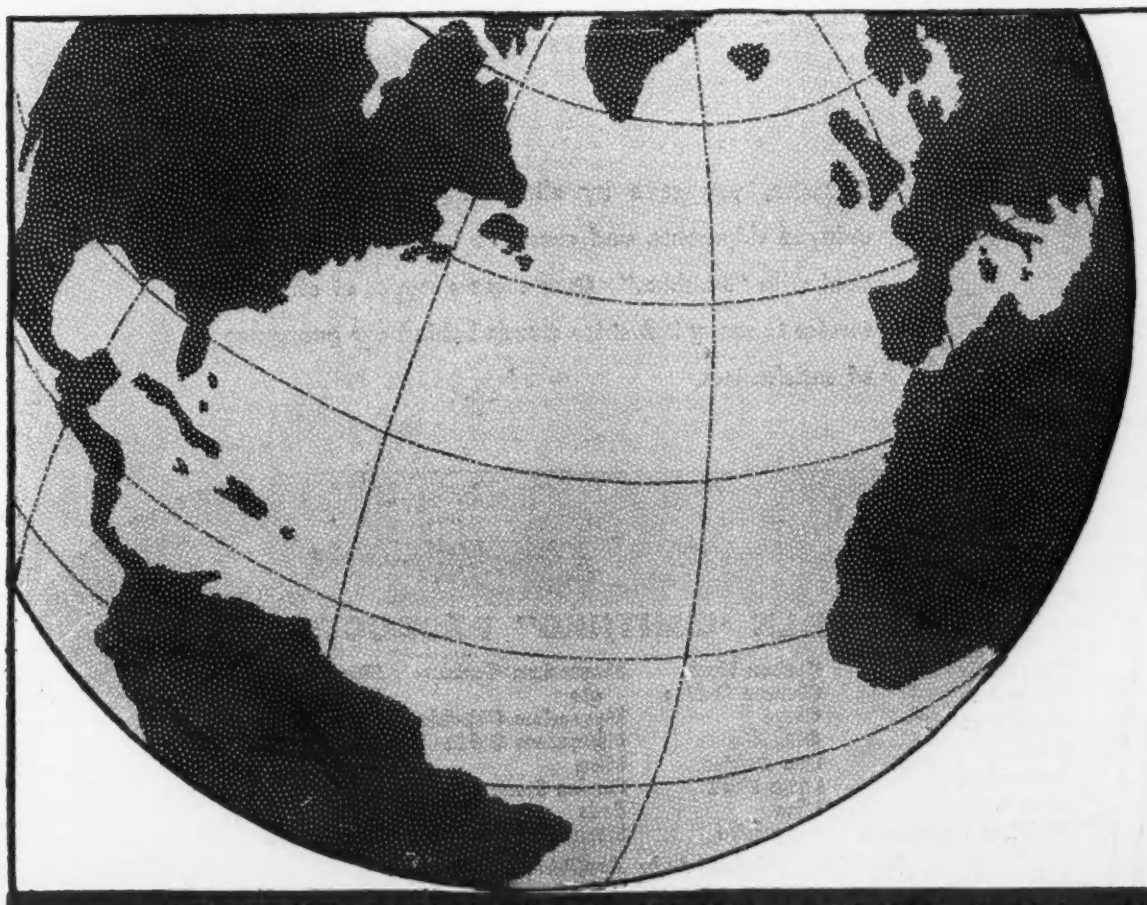
Specific Commodity Changes

More "downs" then "ups" in January, nickel showing the outstanding increase. Other commodities subject to international trade pressures, such as lead and zinc, have been up and down during the month. Reported higher were coke, glycerin, mercury, nickel, plywood, rosin, silver and tin. Down were burlap, batteries, cotton, fats and oils, fuel oil, grains and feeds, lead, linseed oil, rubber, sugar, coarse textiles and yarns.

In tight supply is nickel, the only commodity mentioned in critical short supply. Others hard to get are some aluminum, nylon, brass scrap, cobalt, toluol and specialty steel items. Better than 50 percent of the buyers report they have no shortage condition, and find easing supply in most materials they need.

Canada

Canadian industrial business remains at the high point reached in December, but is not increasing as fast. Production is up. Order books are lagging a little. Prices firmer than in the United States. Inventories are lower. Employment is increasing, with skilled help short. Buying policy, which has been a longer coverage than in the United States, has been cut back somewhat. Optimistic forecast for 1953 made last month still holds.



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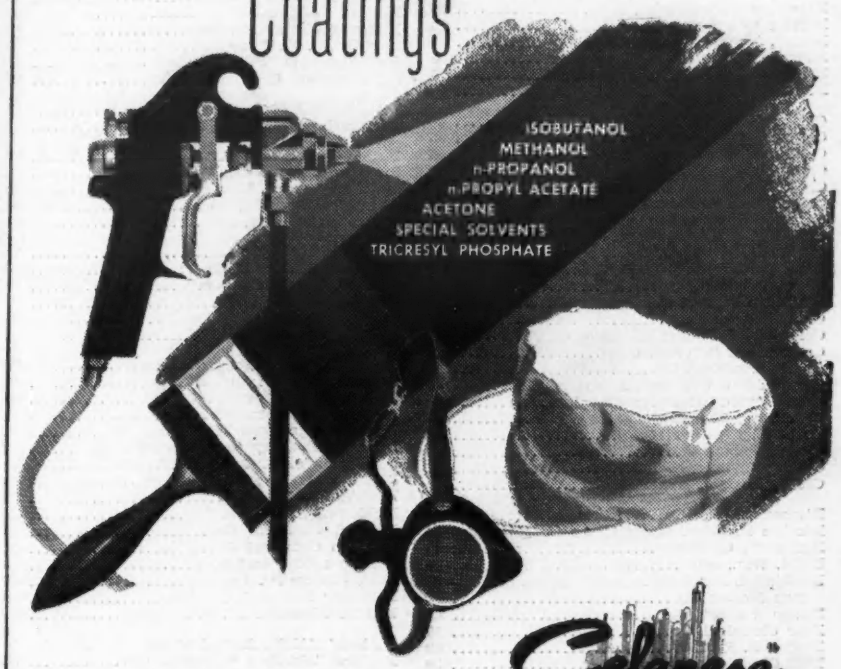

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